

From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

GET READY FOR DX!...It's finally April. This month is the usual start of the TV/FM DX season for most of us. Tropo activity is going great down along the Gulf of Mexico by now, and by mid-to-late month, we should be seeing the first signs of E-skip activity. The "old-timers" seem to be predicting a great year, but it really is a bit too early to tell for sure; but, be prepared for DX!

CONVENTION '84 IS TAKING SHAPE...The summer's W.T.F.D.A. club convention promises to be a great event, with tentative tours of a cable-TV headend site, a TV station, an FM outlet, and maybe even an AM broadcast facility. The Jamestown, NY hilltop location of the convention site is a great place to watch DX openings from--and at the time of the year we'll be having our outing (August 3rd to 5th), there should be some great DX conditions on FM and TV. Watch for more info!

NEW STATION QSL REPORT FORMS NOW AVAILABLE...Order yours today! Completely re-designed by WUD technical editor Tim McVey, these forms can help you get verifications from stations more easily, due to an eye-catching style that's concise and to the point. They are still available at the old price of 50 sheets for \$2.00.

TV-STATION GUIDE PROJECT UPDATE...To clear up any confusion about a forthcoming edition of the W.T.F.D.A. TV STATION GUIDE, keep in mind the fact that we have given first priority to the introduction of a new UHF TRANSLATOR GUIDE, which according to your letters, is more greatly needed at the present time. We also have to determine how many of you are willing to buy a new edition of the TVSG. In the meantime, many different suggestions have come in on the format of the new TVSG. Bill Draeb is at work on the rough draft of the new guide, and we are passing your suggestions on to project co-ordinator Morrie Goldman. In coming weeks, when Bill Fahber's work on the new UHF TRANSLATOR GUIDE is complete, we'll have an idea on a release date for a new TVSG. Remember, this is a volunteer effort, and takes time to be done well.

ALL-NIGHT STATION LISTING SCRAPPED...A very poor member response has forced Jeff Kadet to drop his proposed list of all-night stations on class A and EFM frequencies. What is really amazing to us is that at the same time, we receive a lot of member response for relatively trivial matters ranging from the color of the WUD cover to whether or not members' station totals should appear with DX reports! It's too bad, because this list could have been a boon to late-night FM DXers. We urge you all to give your support to such projects in the future.

TELEVISION NEWS: Spotlight on new stations.....	3
WESTERN TV-DX: Not much activity of any consequence.....	12
EASTERN TV-DX: Spring is on the way!!!.....	13
ANTENNA NEWS: The use of traps and filters.....	14
VHF UTILITY DX: This month features some local loggings.....	16
FM STATISTICS: Your comments appreciated on ranking methods.....	19
FCC FM NEWS: 9th edition FM ATLAS is in the works!!!.....	20
NORTHERN FM-DX: Radio Shack's FM amp works but has problems.....	22
SOUTHERN FM-DX: Translator boom victimizes your editor.....	24
PHOTO-NEWS: Another installment of great DX photos.....	25
ANARC UPDATE: DX get-to-gethers.....	26

This month's cover was sent to us by Tim McVey. Once again, by popular demand it's: Mississippi's ETV Stations!

TELEVISION NEWS

Bill Fahber, editor
336 Atlantic Street
Bridgeton, NJ, 08302

APPLICATIONS FOR NEW TELEVISION STATIONS				STATE/CITY/APPLICANT	
40	1000	532	WI	Superior; Dan Mahoney	
63	5000	651	FL	Boca Raton; Palm Beach County Educators Broadcasting Co.	
44	1000	468	MS	Greenville; Delta Telecasters	
46	5000	263	OK	Norman; High Definition Tel'n	
46	3210	244	OK	Norman; KUSA Brewer's Broadcstg	
46	2970	219	OK	Norman; Powell Community Tel.	
46	5000	764	OK	Norman; Dorothy A. Vaughn	
46	4760	229	OK	Norman; Women in TV Ownership and Management	
38	5000	1405	TX	Corpus Christi; Way of the Cross of Corpus, Inc.	
64	256	1439	CA	Barstow; William R. Stinchcomb	
34	14.8	280	DE	Dover; Delaware Citizens Committee (of WDFB fame)	
55	117	353	MI	Bad Axe; Delta College	
48	2340	1104	NJ	Burlington; Adelphi Broadc'ng	
48	1888	1107	NJ	Burlington; Burlington Broadcasters, Ltd.	
48	5000	1079	NJ	Burlington; B'ton 48, Inc.	
30	5000	930	NC	Wilson; Wilson Media Ltd.	
30	5000	930	NC	Wilson; Bland Communications	
30	1000	1000	NC	Wilson; Wilson Telecasters	
31	10.2	1192	WA	Richland; Washington State U.	
52	663	1919	PR	Carolina; R. y F. Broadcasting	
49	4950	285	KY	Paducah; Johnny G. Box	
15	195	276	MI	Bad Axe; Central Michigan U. (this was returned by the FCC)	
30	5000	950	NC	Wilson; Eleom, Inc.	
55	5000	1438	TX	Lake Dallas; Gordon McLendon	
33	5000	1923	CA	San Luis Obispo; Channel 33	
33	5000	1580	CA	San Luis Obispo; Obispo Tel'n	
33	697	1600	CA	San Luis Obispo; Pacific Television, Ltd.	
33	5000	1412	CA	San Luis Obispo; Sainte Broadcasting Corporation	
33	5000	1639	CA	San Luis Obispo; San Luis Obispo Telecasters	
50	5000	2000	FL	Tampa; Gary E. Willson	
49	5000	657	LA	New Orleans; Dorothy A. Vaughn	
64	5000	1472	CA	Barstow; Sunbelt Television (amended)	
49	5000	377	LA	New Orleans; Crawfish Communications	
49	3980	677	LA	New Orleans; Lynett R. Doyett	
49	3980	527	LA	New Orleans; Powell Community Television	
49	4100	577	LA	New Orleans; Women in TV Ownership and Management	
33	100	1482	CA	San Luis Obispo; Community Media Corporation	
33	2050	1456	CA	San Luis Obispo; Cuesta Communications Corporation	
33	4764	1486	CA	San Luis Obispo; Second Local Power Television	
CONSTRUCTION PERMITS GRANTED: NEW STATIONS					
18	974	438	TX	Farwell; The Best Be'g Co.	
59	813	1865	CA	Sanger; Sanger Telecasters	
32	1407	510	FL	Lakeland; Lakeland Public Interest Telecasters	
8	100	1127	PA	Johnstown; Laurel Television	
35	4315	1573	TX	Kerrville; Hispanic American	

6	5.13	2509	HI	Kailua-Kona; Mauna Kea Broadcasting Company	Broadcasting of Texas, Inc. (FCC Review Board Decision, confirming an earlier decision granting a CP back in July, 1983.)
36	4950	303	KS	Hutchinson; Way of the Cross	
2	100	979	TX	Denton; Denton Channel Two Foundation (initial decision)	
47	96	513	AL	Tusculum; KADD Communications	
14	86.1	884	GA	Rome; Rome Television, Inc.	
3	93.8	170	NM	Gallup; McKinley County Tel'n	
55	4999	461	NY	Amsterdam; G&M Broadcasting	
64	12.4	318	NC	Kannapolis; Community Action Television (initial dec'n)	
35	1122	1098	PA	Philadelphia; Independence Public Media of Philadelphia	
26	3000	153	CO	Pueblo; Arapahoe Silent Majority, Inc.	
32	146	4	HI	Honolulu; The Allen Broadcasting Corporation (The tower will actually be 500' high. Because of the nearby volcanoes and the FCC's method for determining HAA, or height above average terrain, Hawaiian stations have low figures for HAA, sometimes even below average terrain. A similar situation exists in mountainous areas.)	
63	5000	1998	IA	Des Moines; Des Moines Central Communications, Ltd.	
38	1243	614	MI	Mount Clemens; Adell Broadcasting Corporation	
49	759	850	NY	Buffalo; Bison City Television 49 Limited Partnership	
5	100	441	TX	Fort Stockton; M&M Telecast'g	
27	5000	948	TX	Laredo; Panorama Broadcasting	
16	13.7	219	WI	Manitowoc; Hiawatha Valley Communications, Inc.	
36	1276	1127	PR	Bayamon; Caribbean Broadcasting, Inc.	
CONSTRUCTION PERMIT CANCELLED					
GA	WJFT-TV	ch. 19	Albany	(was granted a construction permit 7/31/1978, nearly six years ago)	
APPLICATIONS DISMISSED					
SD	Rapid City	ch. 15	Havnes Communications Company.		
KY	Paintsville	ch. 69	John H. Leland (returned)		
TX	Kerrville	ch. 35	Comanche Broadcasting Inc. (Review Board decision)		
CA	Fresno	ch. 59	Alden Communications Corp; Sanger Television, Inc. (specified Sanger as community of license)		
FL	Lakeland	ch. 32	Mid Florida Telecasters, Inc.; Plaza Broadcasting, Inc.		
PA	Johnstown	ch. 8	Group for the Advancement of Television Service, Inc.; Johnstown Family Television, Inc.; Johnstown Television Company, Inc.		
WV	Charleston	ch. 11	National Communications Affiliates of West Virginia.		
AZ	Douglas	ch. 3	TV3 Partners.		

CA Arcata; ch. 23; Women's Broadcasting of Arcata, Inc.
 HI Kailua-Kona; ch. 6; Manulele Broadcasting.
 LA New Iberia; ch. 36; K-J Broadcasting, Inc.
 MT Havre; ch. 9; Apocalypse Television
 TX Odessa; ch. 36; Odessa Junior College District.
 TX Flower Mound; ch. 2 (Denton assignment); Public Communication Foundation for North Texas. (Initial decision; the FCC had questions about their motives to serve Flower Mound rather than the cities of Dallas and Fort Worth.)
 IN Bloomington; ch. 63; Hoosier Tele-Media Partnership.
 LA New Iberia; ch. 36; Way of the Cross of Baton Rouge.
 WV Charleston; ch. 11; Greater Kanawha Valley Broadcasting, Ltd.
 NC Kannapolis; ch. 64; Focus Television Co.
 AL Tusculumbia; ch. 47; Powell Broadcasting.
 GA Rome; ch. 14; Marilyn M. McMullan; North Georgia Television, Ltd.
 IN Hammond; ch. 62; Cafricam Television, Inc.
 NM Gallup; ch. 3; Nathan R. Berke.
 NY Amsterdam; ch. 55; Henry C. McCall.
 VA Virginia Beach; ch. 43; Atlantic Telecasting, Ltd.; Ocean Broadcasting Corp.
 NV Las Vegas; ch. 15; Dan Mahoney (returned, mainly because of fictitious TL, no coordinates, no antenna height AG or ASL, etc. I expect two more of his to be returned soon.)
 CA Arcata; ch. 23; Pentreed, Ltd.
 CA San Francisco; ch. 38; Together Media Ministries.
 CO Fort Collins; ch. 22; Women's Broadcasting of Fort Collins.
 GA Brunswick; ch. 21; CMM Inc.
 PA Philadelphia; ch. 35; Community TV of Philadelphia.
 MI Bad Axe; ch. 15; Central Michigan University (returned).
 AR El Dorado; ch. 18; Noe Enterprises, Inc.
 HI Honolulu; ch. 5; Abell Communications.
 IA Des Moines; ch. 69; Family Broadcasting.
 MI Mount Clemens; ch. 38; APW Enterprises, Inc.; Southeast Michigan Corporation; Michigan Channel 38, Inc. (specified Warren, MI, as proposed community of license.)
 NY Buffalo; ch. 49; Unific Broadcasting of New York.
 TX Laredo; ch. 27; K-Rio Broadcasting Co. Inc.
 PR Bayamon; ch. 36; Church Faith Is the Victory.

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS
 61 n.c. 1692 CT Hartford; WETG
 18 750 2783 PR San Juan; WSJU
 56 2493 853 KY Danville; WDKY-TV
 43 1350 820 NY Syracuse; WFWY
 28 2667 799 SC Hardeeville; WTGS
 26 690 756 AL Florence; WTUK
 14 5000 1010 SC Greenville; WXIV-TV

CONSTRUCTION PERMIT MODIFICATIONS GRANTED
 23 1666 1033 IL Decatur; Decatur Foursquare
 17 103 538 OK Bartlesville; KDOR
 18 750 2783 PR San Juan; WSJU
 21 400 1158 NV Las Vegas; KRLR
 20 3516 1611 WA Tacoma; KQFB

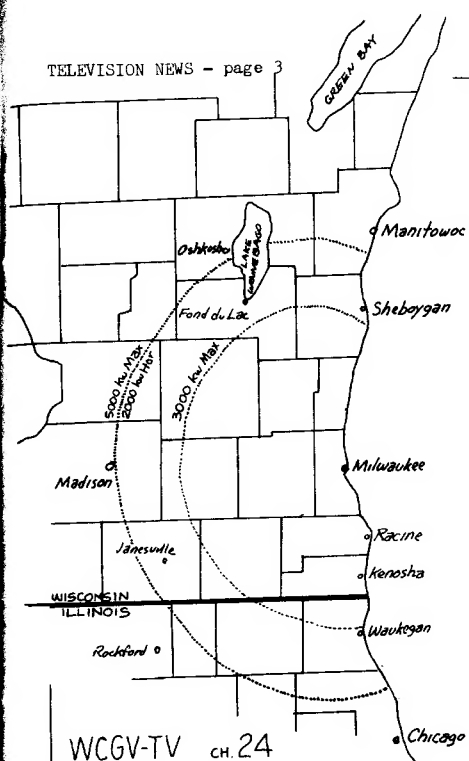
APPLICATIONS TO CHANGE EXISTING FACILITIES
 7 78.2 952 AK Anchorage; KAKM (LIC MOD)
 7 316 915 FL Jacksonville; WJCT (CP MOD)
 36 550 625 RI Providence; WSBE-TV (LIC MOD)
 53 883 679 CT Norwich; WEDN (listed as CP MOD, but I have no record of an earlier CP)
 50 123 1004 IN St. Johns; WCAE (CP)
 40 2570 1020 SC Anderson; WAXA (CP)
 19 5000 1740 SC Columbia; WLTN (CP)
 13 187 1690 CA Eureka; KEET (CP MOD)
 51 2000 440 NE Lincoln; KGNQ (LIC MOD)

FACILITIES CHANGES GRANTED BY THE FCC
 WI Green Bay; ch. 26; WLRE. A few corrections need to be made on the information reported in the 2/84 VUD. Somehow I got the existing coordinates of WLRE mixed up with coordinates of WFRV-TV, which is 3.51 miles NNW of WLRE. Actually, the new tower is only 50' NNE of its old tower. A later check of the coordinates shows that they are the same coordinates for both, which agrees with a report by Bill Draeb. Bill says that it was operating at 501 kw before increasing to 2500 kw, not 93.3 kw as I reported. Actually, they were still licensed for 250 kw, and received a PTA (Program Test Authorization) back in 1/17/1983 to operate at 501.27 kw. They could still have been operating at 501.27 kw at the time they changed over to the other tower. The 93.3 figure was also erroneously taken from WFRV-TV. I also need to correct myself on the change in antenna height: It is 485' higher than the earlier transmitter. Sorry for the misinformation, and thanks to Bill Draeb for pointing it out to me.

Instead of simply reporting changes in the stations listed here, I have been trying to predict what changes would occur in coverage areas. There have been a few cases, such as WCGV-TV, channel 24 in Milwaukee, where the maximum ERP has decreased, but the horizontal ERP actually increased. I had been operating on the basis that increase in the horizontal ERP meant increase of the coverage area. This assumption may be wrong, and I am willing for somebody with more knowledge to comment.

I had the opportunity on 2/29 to visit the FCC in Washington, D.C., along with Tom Yingling and Don Bleivins. While there, I decided to check out the situation with WCGV-TV's coverage maps. These maps would be a tremendous help, if only I had regular access to them.

Sure enough, the newer coverage map of WCGV-TV showed a greatly reduced coverage area as a result of the change. On the sketch on the next page I compared the coverage area before and after. The curved line represents the Grade B contour (64 dBu),



WCGV-TV ch. 24

which is officially the limit of the coverage area. The proposed Grade B contour, indicated by the "3000 kw max," is roughly the same as the existing Grade A contour, or 74 dBu. Obviously the 5000 kw max figure must have been used in determining the present Grade B contour. The proposed change would then result in a smaller coverage area.

IA Ottumwa (IA)-Kirkville (MO); ch. 3; KTVO; reduce power from 100 kw to 84 kw; 1973' AAT/2000' AG/2740' ASL (about 900' higher than existing antenna); coordinates 40°13'39"/92°01'05.5"; TL 1.9 miles north of Kirkville on Hwy 63 (30.5 miles south-east of present site) FCC Review Board decision to grant this CP after a contest over the original grant in 7/11/83.

CA San Bernardino; ch. 24; KVCR-TV; changes became effective 11/22/83. Power increased from 5.57 kw to 1318 kw max/991 kw hor.; 1673' AAT/215' AG/3166' ASL (about 1988' higher ASL than previous site); coordinates 33°57'15"/117°16'53"; TL about 1.5 miles northeast of Box Springs, or 8.66 miles south southeast of previous TL. (CP MOD)

WV Grandview; ch. 9; WSWP-TV; change ERP from 316 kw to 316 kw max/290.4 kw hor (circular polarization); no change in antenna height or location. (CP MOD)

IL Springfield; ch. 55; WRSP-TV; Confusing reference information here, has STA granted with same data as an earlier STA

which was granted 9/24/82 when it had the call letters WBHW. The station has a CP to increase ERP from 1556 kw to 2000 kw max (directional), and to raise the HAAT from 466' to 1442'. I would have expected the STA to have been for that. Has any body noticed an increase in signal strength recently?

MI Detroit; ch. 56; WTVS; as of 1/13/84, the ERP increased from 955 kw max/617 kw hor to 1850 kw max (directional); 959' AAT/1053' AG/1751' ASL (2' higher than before; if anything, it will just be harder for the pigeons to fly to the top.) Increased ERP should result in larger coverage area. (CP)
 NY New York; ch. 4; WNBC-TV joined the parade of radio and television stations which have marched from the Empire State Building to the World Trade Center, led by King Kong (about whom we will have more to say later). ERP reduced from 30.2 kw max/25.7 kw hor to 17.54 kw max. (New York City VHF's, by the way, don't operate with anywhere near the maximum allowable ERP permitted by the FCC.); 1688' AAT/1762' AG/1738' ASL (247' higher); Coordinates 40°42'43"/74°00'49"; TL to North Tower of World Trade Center, 2.9 miles SSW of previous site. Change took place 1/8/84, but don't expect any difference in signal strength. The stations that are moving to the World Trade Center are only looking for greater height so that they can save energy and money. They aren't looking for expanded coverage areas.

CA Visalia-Fresno; ch. 26; KMPH; proposed increase from 2950 kw max/363 kw hor to 3311 kw max, which won't be a lot of difference if you go from the 2950 figure. 2518' AAT/375' AG/8283' ASL (that's 2361' higher ASL than existing, but because the new site will be in higher terrain, it will be only 212' higher AAT. But since AAT concerns only a limited distance, the ASL difference should make for much better DX.); Coordinates 36°40'02"/118°52'42"; TL on Big Baldy Ridge, Sequoia National Forest, 6 miles southeast of Wilsonia (or 26 miles, slightly west of due north, from its present TL. Increased antenna height. Increased power, and move of TL to the north should greatly improve reception in that direction. (CP MOD)

KS Garden City; ch. 13; KUPK-TV; to increase ERP from 87.1 kw to 225 kw max.; 870' AAT/847' AG/3687' ASL (34' higher at the same TL, even though the figure for ERP is unchanged); Increased power should expand coverage area somewhat. (CP)

NC Charlotte; ch. 42; WTVI; increase ERP from 214 kw to 1423 kw max.; 461' AAT/500' AG/1180' ASL (only 8' higher); same TL (CP)
 OR Medford; ch. 5; KOBI; change 60 kw to 60.3 kw max (directional); 2700' AAT/128' AG/5391' ASL (14' higher); Same TL. Change took place 1/10/84. (LIC MOD)

CA Santa Rosa; ch. 50; KFTY; 3084' AAT/144' AG/4454' ASL (13' lower); aural ERP change only. (CP MOD)

ND Minot; ch. 6; KSRE; aural change only; HAAT change from 1070 to 1060' probably from recalculating. (LIC MOD)

OR Klamath Falls; ch. 2; KOTI; Granted CP modification, and again, I don't know if this station was operating under the technical data of its license or its original construction permit. I suspect that this is a last minute alteration, known in the engineering profession as an "as-built," in the final stage of construction. The CP MOD merely alters the proposed antenna height of the CP by about 16 feet. Assuming that to be the case, it would seem more realistic to compare the CP MOD with its licensed data. ERP to increase from 13.5 kw to 35.5 kw max.; 2201' AAT/153' AG/6566' ASL (1017' higher than existing); coordinates 42°05'48"/121°07'57"; TL to Mount Stukel, or about 13 miles southeast of existing site.

CA Salinas; ch. 8; KSEW-TV; ERP to be reduced from 240 kw to 162 kw max/155 kw hor; 2948' AAT/1590' AG/4080' ASL (752' higher ASL); Coordinates 37°03'30"/121°46'33"; TL in the Santa Cruz mountains, about 9 miles north of Watsonville (26 miles northwest of present site). (CP)

IL Carbondale; ch. 8; WSIU-TV; 890' AAT (Probably recalculated). (LIC MOD)

OK Ada; ch. 10; KTEB; ERP to change from 316 kw to 316 kw max (directional); 1460' AAT/1405' AG/2285' ASL (566' higher ASL); Coordinates 34°21'34"/96°33'34"; TL near Bromide, Oklahoma (38 miles, slightly east of due south, from present site). (CP)

OR Portland; ch. 10; KOAP-TV; ERP to increase from 60.3 kw to 316 kw max (directional); 1740' AAT/1081' AG/2049' ASL (814' higher); 45°31'21"/122°45'08"; TL to 262 N.W. Miller Road, Portland (3.5 miles northwest of present site); Increased ERP and antenna height should increase coverage area. (CP MOD)

OK Ardmore (OK)-Sherman-Denison(TX); ch. 12; KXII; changes took effect 2/16/84; ERP changed from 214 kw to 222 kw; 1777' AAT/1694' AG/2584' ASL (756' higher); coordinates 34°01'58"/96°48'00"; TL 5 miles SSW of Madill (0.6 mile south of present site); higher antenna should improve signal strength. (CP)

VI Charlotte Amalie; ch. 12; WTJX-TV; proposes change of ERP from 31.6 kw to 29 kw max. 1476' AAT/111' AG/1585' ASL (25' lower); same TL. (CP)

CALL LETTER APPLICATIONS: NEW STATIONS

CH C.L. STATE/CITY/APPLICANT

33 WHBR FL Pensacola; The Harbour Broadcasting Corporation

25 WXXV-TV MS Gulfport; Four-O, Inc.

19 KMKO OK Muskogee; Hasler Productions

55 WKRW-TV WI Kenosha; Family Television 55

69 WEKT KY Paintsville; Hometown Televis'n

6 KSHQ HI Kailua-Kona; Mauna Kew Bc'g

40 KPOL AZ Tucson; JP Communications

48 WNTZ MS Natchez; MSLA Broadcasting

45 WRGT-TV OH Dayton; Dayton Telecasting

18 KJTL TX Wichita Falls; Thornberry Television, Ltd.

57 WJAN WI Janesville; Janesville Bc'g Co. (former call letters of ch. 17 in Canton, OH. Do I detect a little bit of trafficking?)

59 KMSG CA Sanger; Sanger Telecasters, Inc

38 WJWN-TV PR San Sebastian; Caribbean Broadcasters

CALL LETTERS ASSIGNED: NEW STATIONS

44 KWKT TX Waco; Focus Broadcasting of Waco

47 WMSN-TV WI Madison; Center City Broadc'g

67 WKKF IN Anderson; Indiana Telecasters

63 KEEH IA Des Moines; Des Moines Central Communications, Ltd.

33 KOBQ KS Wichita; Wichita 33 Ltd.

19 KMKO OK Muskogee; Hasler Productions

26 KRZB-TV AR Hot Springs; Razorback TV Bc'g

16 KONN-TV WA Everett; Kong Family Television (According to a recent article in USA Today, which mistakenly cited the call letters as KONG, The owners of KING-TV in Seattle are upset that there may be confusion between the two stations. To make things worse, KONN-TV plans to go on the air on 6/1/84 with the 1933 version of "King Kong.")

22 WHLT MS Hattiesburg; WLHT

61 WETG CT Hartford; Arch Communications

18 WRES FL Cocoa; Glorious Church of God in Christ, Inc.

33 WHBR FL Pensacola; The Harbour Bc'g

6 KSHQ HI Kailua-Kona; Mauna Kew Bc'g

36 KTFJ KS Hutchinson; Way of the Cross

69 WEKT KY Paintsville; Hometown Televis'n

9 KUSM MT Bozeman; Montana State Univ.

17 KMSSO-TV MT Missoula; James A. Bender

16 KSEB NE Scottsbluff; Dakota Broadcast'g

23 WNEQ-TV NY Buffalo; Western New York Public Broadcasting Association

55 WPSC-TV OH Akron; Rhema Television Corp.

23 KIAB-TV TX Garland; International American Broadcasting Company, Inc.

55 WKRW-TV WI Kenosha; Midwest Broadcast Associates, Inc.

7 KSEV AK Fairbanks; Channel 7 Broadc'g

40 KPOL AZ Tucson; JP Communications

32 KBFD HI Honolulu; The Allen Bc'g Corp.

62 WMFP MA Lawrence; MFP Corporation

49 WBKL-TV NY Buffalo; Bison City Television 49, Limited Partnership

27 KJTB TX Laredo; Panorama Broadc'g Co.

36 WOTE PR Bayamon; Caribbean Broadcasters

19 KLNL TX Nacogdoches; KDOG

22 LTCG IA Waterloo; The Independence Bc'g

39 WOQB WV Parkersburg; Parkersburg Family Television

22 WTAH WI Oshkosh; Eternal World Communications

CALL LETTER APPLICATIONS: EXISTING STATIONS

2 KCBS-TV CA Los Angeles; KNXT

63 WBKZ IN Angola; WXJC-TV

8 WPBS GA Athens; WGTV

CALL LETTER CHANGES GRANTED: EXISTING STATION

17 KGET CA Bakersfield; KPWR-TV

32 WXGZ-TV WI Appleton; WBUO

9 KUSA-TV CO Denver; KBTU

46 WGNX GA Atlanta; WANX-TV

27 WTCT IL Marion; WDDD-TV

MULTIPLE-CITY IDENTIFICATION GRANTED

NC WTVB, ch. 11, Durham, to identify as Durham-Raleigh-Fayetteville.

ADDITIONS TO THE TABLE OF CHANNEL ASSIGNMENTS

TX Austin: add 54z

NM Albuquerque: add 41+

TN Nashville: add 58+

WI Fond du Lac: add 68z

FL Miami: add 35z

TN McMinnville: add 33+

RI Block Island: add 69-

STATIONS ON THE AIR

FL Fort Walton Beach; ch. 53; WPAN; began 2/14/1984; 3088 kw max; 722' AAT/686' AG/732' ASL (as per BMPT830907KE); coordinates 30°24'09"/86°59'35"; TL about 23.2 miles west of the center of Fort Walton Beach (as per BPT820502KE). (That's about 14 miles due east of Pensacola); Address: Fort Walton Beach Broadcasting Corp., 11 Tupele Avenue SE, Fort Walton Beach, FL, 32548.

IN Indianapolis; ch. 59; WPDS-TV; began 2/1/1984; 2350 kw max; 992' AAT/1004' AG/1814' ASL; coordinates 39°53'20"/86°12'07"; TL 2350 Westlane Road, Indianapolis; address: USA Communications Inc., 1440 North Meridian, Indianapolis, IN, 46202.

OR Medford; ch. 12; KDRV; began 2/26/1984; 190.5 kw; 2690' AAT/171' AG/5434' ASL; coordinates 42°41'33.8"/123°13'44.4"; TL King Mountain, 31.4 miles northwest of Medford; address: Sunshine Television Inc. 1050 Knutson Drive, Medford, OR, 97504.

TN Nashville; ch. 30; WCAY-TV; began 2/18/1984; 5000 kw max; 1415' AAT/1217' AG/2017' ASL; coordinates 36°15'50"/86°47'38"; TL 1 mile south of the intersection of Route 124 and Old Hickory Boulevard; address: Television Corporation of Tennessee, 300 Peabody, Nashville, TN, 37210.

WI Suring; ch. 14; WSCO; began 2/22/1984; 200 kw ERP; 622' AAT/557' AG/1497' ASL; coordinates 44°59'30"/88°23'55"; TL Hwy. 32, 1.7 miles northwest of Suring; address: Northeastern Wisconsin Christian Television Inc., Box 414, Hwy 32, Suring, WI, 54174.

CO Glenwood Springs; ch. 3; KCWS; 67 kw max; 2526' AAT/256' AG/10,656' ASL; coordinates 39°25'05"/107°22'01"; TL 9.5 miles SSW of Glenwood Springs; address: Western Slope Communications Ltd., 6916 Hwy 82, Glenwood Springs, CO, 81601.

TN Murfreesboro; ch. 39; WFYZ; 5000 kw max; 821' AAT/878' AG/1449' ASL; coordinates 36°04'54"/86°25'57"; TL Lone Oak Road, 2.36 miles southwest of Gladeville; address: Channel 39 of Murfreesboro, 111 West College Street, Murfreesboro, TN, 37130. Might be identifying as Murfreesboro-Nashville.

AK Anchorage; ch. 4; KTBY (reported last month); current address: Totem Broadcasting Corporation, 510 "L" Street, Suite 700. Anchorage, AK, 99501.

WI Appleton; ch. 32; WXGZ-TV (ex: WBUO), which reportedly went on the air last January, did not, according to a letter from Bill Draeb dated 3/4/1984. Nor has it even been testing as late as that date. Bill says that what DID happen was that WLRE began a movie channel on 2 GHz, which I suspect is on MDS station WQQ77. Bill Draeb also mentioned a new tower being constructed about 600' NNW of the WLRE-TV tower in Green Bay, which could be WXGZ-TV. It could be. Depending on how accurate the coordinates are for the two stations, I have WXGZ-TV at about 900' NNW of WLRE-TV. (The MDS transmitter is 9.78 miles north of WXGZ-TV) So apparently we're still waiting for that station to go on the air.

STV AUTHORIZATION GRANTED

IN WKKF, ch. 67, Anderson.

CONSOLIDATED HEARINGS

MI Calumet; ch. 5; Retherford Publications; Hometown Television, Inc.

LA Baton Rouge; ch. 44; Spondo Ltd. Inc.; Louisiana Super Communications Limited Partnership; Baton Rouge Channel 44. Limited Partnership.

CO Pueblo; ch. 32; Pueblo Family Television; tvUSA/Pueblo, Ltd.; FEM Broadcasting, Inc.

PA Altoona; ch. 47; Pennsylvania Christian Broadcasting Company; Altoona Television 47, Ltd.

AL Selma; ch. 29; Way of the Cross of Selma; John R. Powley.

WY Cheyenne; ch. 33; Retherford Publications; Duhamel Broadcasting Enterprises.

TX Dallas; ch. 58; Ideal Licensee, Ltd.; Metroplex Television Broadcasting, Ltd.; Melinda Guzman; El Canal De La Comunidad; Dallas 58, Inc.; Metroplex Broadcasting Company, Inc.; High Tech Industries, Inc.; Associated Communications Corporation; Ark Communications Corporation; Texas Women in Broadcasting, Inc.

TX Jacksonville; ch. 56; Tarzan Television Company (1 mile short spaced to KLMG-TV, ch. 51 in Longview); TRG Broadcasting Systems, Inc.

WY Sheridan; ch. 7; Chrysostom Corporation; Harriscope Broadcasting Corporation.

MD Hagerstown; ch. 68; Retherford Publications, Inc.; Western Pennsylvania Christian Broadcasting Company; Good Companion Broadcasting Company.

UT Salt Lake City; ch. 13; Utah Television Associates, Limited Partnership; Intermountain Broadcasting, Inc.; Salt Lake City Family Television, Inc.; Mountain West Television Company; West Valley City Television Associates, Limited Partnership (specifies West Valley City as proposed community of license); Salt Lake City Utah TV, Inc.

SPOTLIGHT ON NEW STATIONS

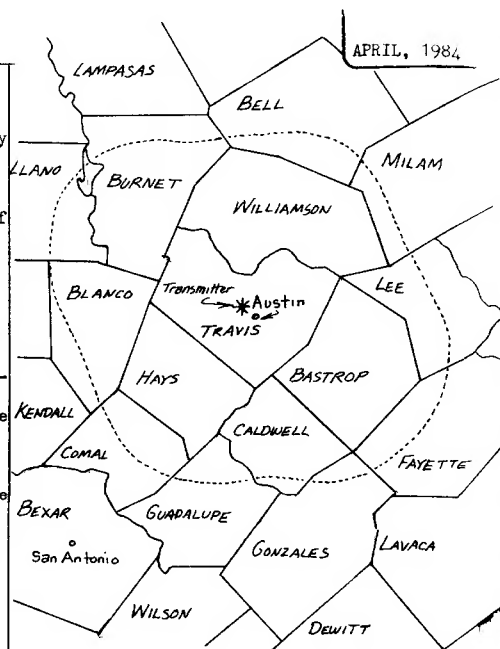
Having received nothing from the dozen or so station to which I wrote in the past few months, requesting information, I'm seriously considering discontinuing that practice, and depending entirely on whatever information is sent in by club members. Some stations have been very helpful, but the small rate of return is discouraging.

Tim McVey send me some information on WKCH-TV, channel 43 in Knoxville, Tennessee. This is from the Knoxville News-Sentinel, dated 11/20/83, before the station went on, but it does give some interesting background information.

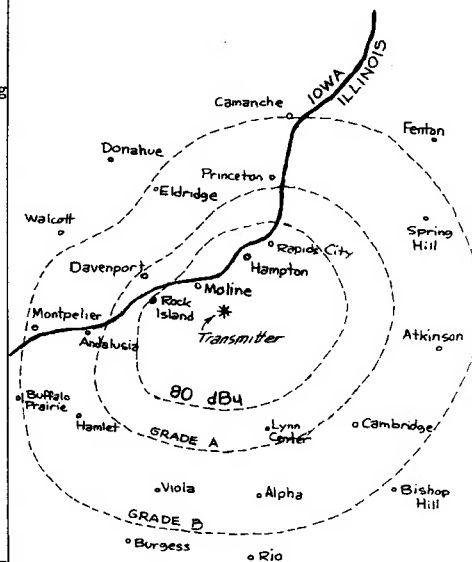
Knoxville presently does not have any independent television station, and WKCH-TV will mean syndicated oldies and old movies for the first time to that area, as well as current syndicated programs, game shows, and cable news network. Local news will be limited to only a few minutes of headlines which include weather and sports. The station is not trying to compete with the network stations in news coverage. The station is scheduled to operate from 7:00 am to midnight. "We have a tower at the 1150-foot level on Sharp's Ridge and we will be broadcasting on a power of 2.2 million watts.... Our city grade signal...will cover all of the metropolitan area of Knoxville, with a radius of some 25 miles. Our Grade B... signal will go out some 75 miles."

WINT-TV, which is operating on channel 20 (remember one of last month's questions), is building a new tower on Buffalo Mountain in Anderson County, and will be operating 5000 kw, reaching into Knoxville, which will give Knoxville a second independent station within a few months.

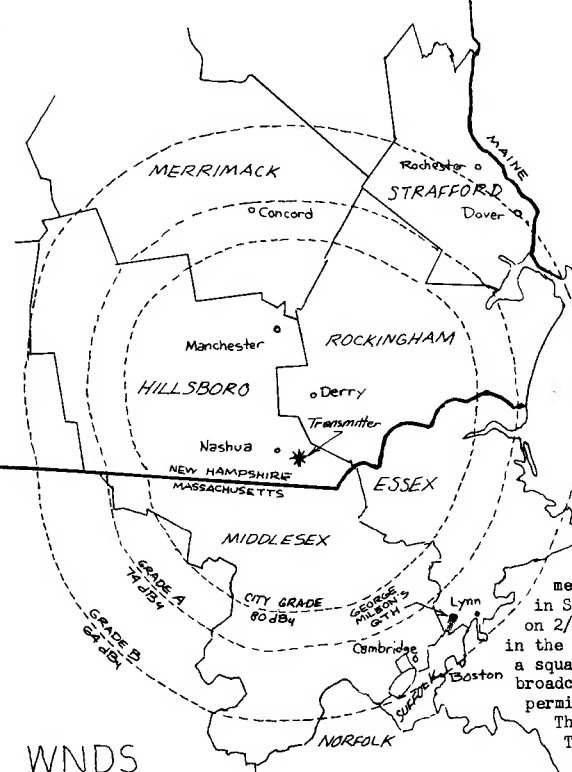
While at the FCC building, I managed to dig up some information on WQPT-TV, channel 24, Moline, Illinois, owned by Black Hawk College. This document, entitled "Purpose and Objective and Statement of Proposed Program Policies," gives some information about the goals and policies of the college with respect to the station. "The primary goal of the proposed education television broadcast service will be individual and community betterment through programs and materials for use in classroom settings at K-12 levels as well as post-secondary and adult learning opportunities for credit, non-credit and general informational purposes. The second emphasis...will be an effort to serve the community through public service programming...A third direction for the broadcast services will be an attempt to bring cultural and artistic programming not accessible or with poor reception, to the audience in Western Illinois and Eastern Iowa." With respect to educational policies: "A portion of Black Hawk College programs will be specifically planned, acquired or produced to meet the educational needs of the common school (K-12) in the proposed service area....Working closely with community organizations, programs will be developed to meet the cultural and informational needs in the service area."



COVERAGE MAP: KBVO-TV
AUSTIN, TEXAS



COVERAGE MAP
WQPT-TV
MOLINE, IL



WNDS

COVERAGE AREA

FORUM

A few months ago I mentioned that the SRDS Spot Data book listed WNDS, channel 50 in Derry, NH, as operating with 5000 kw ERP, when the construction permit had a much smaller figure. One of the things I learned at the FCC was that they did get a construction permit modification. I mentioned their application for a CP MOD in the 10/83 column, but never got notice that it was granted. So its data is as stands: 5000 kw max; 702' AAT/499' AG/983' ASL; Coordinates 42°44'07"/71°23'36"; TL Trigate Road on Merrill Hill, Hudson. The above map shows their coverage area as well as the transmitter location.

George Mileon got a letter from the station along with a coverage map, similar to the above. George comments, "I thought that you mentioned in your column that they might be going to a higher tower. It does not appear that they are according to the letter."

I photocopied a copy of their coverage map at the FCC. It showed the coverage according to their construction permit, as well as the coverage proposed in their CP MOD. The CP MOD contours, which represent their present power and antenna height, are identical to the map sent to George. I also noted his QTH on the above map.

In the letter sent to George by Thomas M. Disinger, Operations Manager, it reads, "Lynn is on the outer edge of our coverage area, and even though we transmit five million

watts of power, our signal is directed towards the north."

He also adds, "Since five million watts is the maximum allowable UHF power, there is no truth to the rumor that we are asking the FCC to authorize an increase in power. Also, a taller tower is a very expensive proposition, and I don't foresee it as a realistic change in the near future. Obviously the taller tower and increased power referred to are actually in the CP MOD which they had already been granted, and must have gone on the air with. (In comparing the two sets of contours on the map at the FCC, George, you would have been between their city grade and grade A contours under their original CP.)"

Ron Greening of Manitowoc, WI, mentioned that he saw WSCO, channel 14 in Suring, WI, testing its transmitter on 2/16/84. He also found a strange ad in the Phestigo Times, measuring only about a square inch: "FOR SALE: Television broadcast station license and construction permit for channel 22, Oshkosh, WI...." That's a strange one. Eternal World Telecommunications was granted a construction permit on 12/8/83, and isn't anywhere getting a license yet. Secondly, you're not allowed to sell construction permits. Even licenses can not be transferred without FCC authorization. The ad was from an architectural firm, so perhaps Eternal World folded up or something.

Gary Olson sent me a copy of LPTV Newsline, a bimonthly publication, with four pages, and large pring, which costs \$40.00 per year to subscribe. That's about \$1.67 per page of large pring. With wide margins, yet. Goes to show, when you're in the broadcast industry, you're talking big bucks and money is no object. The newsline estimates that by the end of 1984 there could be as many as 419 low power stations on the air. There are presently about as many LPTV stations as educational stations. In October, 1983, there were 279 educational stations and 245 low power stations. Another article in the newsletter lists six low power stations that will be transmitting BizNet News Today: W58AO in Hyannis, MA; K06KZ in Junction City, Kansas; K07SD in Rolla, MO; K22AE in New Ulm, MN; K05HF in Kirksville, MO; and W10AW in Maryville, MO.

OOPS DEPARTMENT. I mentioned last month about this new typewriter ribbon that cuts off the bottom of some letters and makes commas look like periods. I also found out that it misspells words and sometimes types the wrong word. For example, page 29 of last month's VUD, left column, fifth paragraph down, it should read. "...since not all VHF

are ADJACENT, and this situation doesn't exist." VHF channels are clustered into three groups (2-4; 5-6; 7-13) spaced in such a way that there are no "taboo" channel combinations. I hope that clarifies what I was trying to say.

More from Tim McVey, from the 12/15/83 Jackson Sun. WUAA-TV, ch. 16 in Jackson, TN, is scheduled to go on the air May 1. Its tower was expected to be completed around the middle of February. TL is on the Norton Hill site on U.S. 45, just south of Jackson. The 5/1 date should be for performance tests with programming to begin soon afterwards. The station will probably broadcast from 6:00 a.m. to midnight and cover a radius of 30-40 miles. Programming will be family oriented and there are no plans for network affiliation.

Tim also mentions that WKCH-TV, ch. 43 in Knoxville, TN, and WFFZ, ch. 39 in Murfreesboro, TN, are both on the air. He adds, "I could have sent program logs, but I'm not sure they'd be much help to you." Send them in anyway. While I wouldn't list every program listing (as discussed before), the lack of material directly from new stations makes it useful to study the listings and give some idea of what the station is like. Also, Tim reports no news on the construction permit for ch. 54 in Huntsville, Alabama. It's been a little more than a year since they got it, so expect it around the end of this year.

Tim gives some information about WINT-TV in Crossville, TN. In answer to a question last month, it did change to channel 20. The article mentioned a few pages ago about WKCH-TV adds about WINT-TV: "...is now operating out of Crossville...is building a new tower on Buffalo Mountain in Anderson County and plans to broadcast with a power of some five million watts. WINT-TV is expected to go to its new transmitter and power sometime in April, and will reach into the Knoxville area, causing competition with WKCH-TV.

W.R. McIntosh clipped an article from the Los Angeles Times, 2/23/84, discussing the New Hampshire primary and WMUR (TV)'s efforts to cover it with its small news team. But then comes this quotation: "...and WMUR-the only VHF signal in the state-is calling itself 'New Hampshire's primary station.'" Mc. asks, "What about WENH-TV ch. 11 Durham?" Actually, WENH-TV is a noncommercial educational station, and it's a proven fact that noncommercial educational stations are really a front for covert CIA operations. That's why the press is never informed about their existence. It took years for the Washington Post to learn about the existence of WHMM, channel 32. One of their reporters got wise when coffee mugs and beach balls with the WHMM logo began showing up in people's homes. Even today, New Jersey congressmen are convinced that New Jersey has no VHF station. It was also reported that Mr. Rogers was involved in training Cuban revolutionaries for the Bay of Pigs invasion, and that Doctor Who assisted in the development of the U-2.

(Perhaps some of you have noticed that I get this way after about the seventh page.)

W.R.'s clipping had another article on it about KHS-TV, ch. 46, which is scheduled to go on the air Easter Sunday, 4/22/1984. KHS-TV is located in Ontario, California. The station is owned by Santa Fe Communications, a nonprofit organization, and will specialize in programming aimed at Catholics. It will broadcast "Heart of the Nation," a daily three-hour program for Catholics, once in the daytime and once in the evening.

Translator information from Bill Draeb: He was receiving the Iron Mountain translators on 2/15 and noticed a scrambled signal on channel 65. He couldn't make anything out from the picture: too weak.

MDS DATABOOK: Paul Kagan Associates, Inc. wrote back to me with information about the MDS Databook. The book is published every October. The 1983 edition is \$35.00. Contents of the publication include,



PAUL KAGAN ASSOCIATES, INC.
26386 CARMEL RANCHO LANE
CARMEL, CALIFORNIA 93923
(408) 624-1536

MDS in profile; statistical progress of MDS; Census of MDS pay TV; Summary of MDS markets; Who's using MDS; Directory of MDS markets; Milestones in MDS history; Subscription television-then and now; Who's using STV; and History of pay TV population. So the publication goes into STV as well as MDS. Paul Kagan Associates has several publications dealing with cable TV, SMATV, pay-TV, and broadcasting, dealing with their financial and statistical aspects mainly. The address is: Paul Kagan Associates, Inc., 26386 Carmel Rancho Lane, Carmel, CA. 93923. California residents add 6% sales tax.

Nathaniel Fly reports that WLS-TV, ch. 7 in Chicago, is now broadcasting ABC's "Telefirst" pay-TV service from 2 a.m. to 5:30 a.m. six nights a week. The station broadcasts an alternately positive-then-negative picture, changing at random. The audio sounds like it was "cut up & put back together, then sped up slightly." (Nate, are you sure they weren't broadcasting old Godzilla movies?) There is also a steady ticking sound on the audio. Since the picture is clearly visible, Nate says, it will preclude any first run movies with nudity. (I'll bet it doesn't.) The system requires that the customer video tape the movie in the scrambled mode, then play it at a later time with a decoder. Since the decoder changes every month, the movies you record will be useless a month later. This way you have to be a regular subscriber, and you can't build your own tape library. (But is it possible to get another video recorder and record the unscrambled picture as the first recorder plays it?)

Nate observes that KWWL-TV, channel 7 in Waterloo-Cedar Rapids, seems to be transmitting a very weak signal. He heard a report that their tower, shortly after last Thanks-

giving, collapsed from ice buildup, and that the station is using an old transmitter tower north of Waterloo while the other one is being repaired. So far, there have been no applications from KWWL-TV to change its tower height or power, so I assume they would be repairing what they have.

Also from Nate: WBBS, ch. 60 in Chicago, is expanding its programming. Sharetime station WPWR goes on the air at 2:30 in the morning with a movie. Apparently WPWR dropped FNN News and is now showing game shows and movies during the day. WXGZ-TV, ch. 32 in Appleton, Wisconsin (originally supposed to be WBUO), went on the air in early March, confirming earlier comments that it did not go on in January as I reported. Nate first saw it on 3/7, apparently having trouble with their signal and losing power abruptly. They were alternating between programs and test patterns. They give a city-of-license ID aurally, but have two video ID slides. One identifies as Appleton-Green Bay-Fox Cities, and the other as Appleton-Fox Valley. The station is independent. WPDS, ch. 59 in Indianapolis seems to be putting a lot of time and money into its news service. WPDS is an independent station.

Ron Greening confirms the report about WXGZ-TV. He saw it go on the air as of 6:00 a.m. on 3/7/1984. The format is movies, old syndicated programs, and no network affiliation. He reported the station as identifying as Appleton-Green Bay-Fox Cities.

MORE CONSOLIDATED HEARINGS

MI Port Huron; ch. 46; Brian Haskin; TV 46 Corporation; Haney Communications.
UT Cedar City; ch. 4; GMM Inc.; Michael Glenn Golden.
SC Rock Hill; ch. 30; South Carolina Educational Television Commission (renewal of WNSC-TV); York County Television Corporation (more detail on this issue next month).

ADDITIONAL INFORMATION ON ADDITIONS TO THE TABLE OF CHANNEL ASSIGNMENTS

FL Miami: add 35z; site restriction 7.8 mi. southwest of Miami to avoid short-spacing to WDLZ, ch. 39 in Miami.
RI Block Island: add 69-
TN McMinnville: add 33z; site restriction 4.3 miles west of McMinnville.
MN Alexandria: add 42z; L.E.O. Broadcasting (KXLI, ch. 41, St. Cloud) objected because of interference potential. KXLI is 88 miles from Alexandria, and the FCC only requires 55 miles separation. L.E.O. also objected that several translators and LPTV stations would have to either shut down or change channels at their own expense.

Bill Draeb also noted WXGZ-TV, and confirms much of what was already said. The ID slide he saw read, "Appleton-Green Bay-Fox Cities." The only audio identification he heard was "TV-32." According to Bill, the station went on the air March 6. He noted on 3/9 that the station was off the air during the day and transmitted color bars intermittently during the evening. Programming is similar to WLRE, ch. 26 in Green Bay. On 3/11 the station still hadn't resumed programming, but has been transmitting color bars again.

Greg Monti sent in an article on DBS from the 2/10/84 Arlington (VA) Journal. I have been wanting to do an update on Direct Broadcast Satellites for some time now, but hadn't had a chance to write it up. Plus the fact that these columns have been getting rather lengthy.

Before I get to the article I should give a summary of what has been going on. Before the 1983 Region Two Regional Administrative Radio Conference, both the United States and Canada have been developing their own proposals for DBS standards. The Canadian proposal called for larger receiving dishes, weaker satellites (and cheaper), shorter spacings between satellites. The reason for the difference is this: The United States was more interested in reduced cost to the consumer, using a dish less than one meter in diameter. Canada, with its heavily cabled area near the United States border and its remote communities to the north, is looking more toward community-type antennas for retransmission of signals. The two countries were unable to resolve the differences and the Canadian proposal won out. The United States dis get its eight orbital slots that it wanted. Meanwhile the companies granted construction permits by the FCC for DBS satellites are losing interest. Some have merged their proposals together. Others have dropped out.

Now to the article. United Satellite Communications Inc. (USCI) began its DBS operation on 11/15/1983 in the Indiana area, expanded to Illinois last January, and to parts of Maryland and Virginia in February. Five channels are offered: two movie channels, a sports channel, and two variety channels with news, entertainment, children's programs, etc. The dish antennas range from 2 1/2 to 4 feet in diameter. The initial fee is \$300 for set up and installation, plus a monthly fee of \$39.95 for equipment, service, and programming. USCI is pushing for subscribers in areas that don't have cable television.

A little bit of background on USCI. While all the other contenders for DBS were coming up with DBS proposals under the FCC's rules establishing DBS, USCI jumped the gun and beat the others. Instead of sending out its own satellite on a DBS frequency, it rented five transponders on the Canadian Anik C-II, which is a communications satellite, not a broadcast satellite, operates on a different frequency, and was already up there in orbit. Meanwhile, USCI is at work on an authentic direct broadcast satellite of its own.

WESTERN TV-DX

April 1984

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

Deadline: 5-4-84

A very slow DX period with only report submitted. Jim Pizzi explains some mystery loggings of over a year ago and reports a number of fine tropo loggings and some more of that winter Es. Nate Ely wrote to say that nothing was happening, and William Draeb indicated that there has not been much activity of any consequence. He said the last good tropo was on February 15 with WOUC-44, WNEO-45, and Youngstown and Pittsburgh U's. Bill also caught the January 7 Es (and the 8th and 10th) and logged a new one, CBAFT-3 from Neguac, NB with a surprisingly strong signal.

Bill also reports that WSCO-14 is on the air from Suring with a limited schedule (1600-2230 weekdays and on weekends from 0800-1200 and 1600-2230).

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 (505)-396-3251

MST

Equipment: Panasonic 12" b&w, Sony 8" b&w, Panasonic 13" color, Motorola 19" color, Finco P-7 with EU-4S at 70', CM 6' with EU-4S at 35', Winegard 2073 (channels 7-13) with AC-9730 preamplifier at 75', Winegard 2026 (channels 2-6) with AC-9260 preamplifier at 30', plus other antennas.

On January 1, 1983, I reported reception of two new translators (K13## with WGN and K12## with KBIM). The signals were weak, but steady, and it was somewhat foggy outside. At that time, I thought they might be from the Pecos, Texas area. I just found out they're not from there - not even translators. Both signals were cable leakage. So what's unusual about that, you say! Well, I live in the country, and the nearest cable connection is five miles south of me. Needless to say, I've removed them from my totals, but I'm amazed at the distance of cable leakage reception. Cable leakage is usually less than 1/1000 of a watt erp and usually not detectable over 1000 feet from the source. I've not seen this leakage since that foggy night - but I'll still consider it "tropo DX" until someone convinces me this is common at five miles.

December 1983

7 Es 1916 WBBM 2 IL CBS (Es gone by 1935)	20 Tr 1730 Corpus Christi 16, and 28 505	29 & 30 KAMC-28 TX - Off air Back on 12-31 with low power. Normal on 1-2.
14 MS 0019 unid ch 7 ene (Man behind desk)	1732 KWEX 41 TX 380	
16 Es 1716 WTV 2 IN 981	1733 KVEO 23 TX 576	
KTVI 2 MO 824	1744 X??? 46 COA 345	
1718 unid ch 2 ne	(Piedras Negras XEW)	
1722 KXLF 4 MT 1004	1800 OKC 14,25,43 380	
KTVM 6 MT 1004	1850 K36AB 36 OK 289	
1752 unid ch 2 n/ne	(Lawton KETA-13)	
1754 WMAB 2 MS 828	23 Tr 1208 Houston 20, 26, and 39 515	
19 Es 2100 unid ch 2-6 ne	24 MS 1227 WSVN 7 FL	
2110 unid ch 2 ne ABC (Es gone by 2125)	1227 WJCT 7 FL	
20 Tr 1231 KHTV 39 TX 515	(2 sec burst - 0 kHz & 10 kHz to KOSA- 7)	
1237 KAVU 29 TX 468	Tr 1700 XHJ 44 CH 205	
1240 KRIV 26 TX 515	(Fair signal)	
1700 KIDZ 24 TX 282	1738 KRWG 22 NM 199	
KLPB 25 LA 644	(Very weak/rare)	
WLPB 27 LA 743	25 Es 2016 KTVN 2 NV 1008	
1710 WMAU 17 MS 738	2017 KPIX 5 CA	
1714 Austin 18, 24, 36, and 42 377	KCRAT 3 CA	
	2020 KRON/KCRLT CA/NV	
	2024 KTVU 2 CA 1116	
	(Es gone by 2100)	

Well, this will be my last report for several months to come. I'm off to California on business and probably won't be back until June or July. So, I'll miss any spring tropo from this QTH. If anything is going on in southern California on TV, I'll report it.

(Thanks Jim, for another fine report. That cable leakage reception, indeed, does sound very unusual. One might keep in mind that sometimes leakage is introduced at points which the CATV company has difficulty controlling, i.e., at the subscriber's set. Sometimes, subscribers either inadvertently, or intentionally get the CATV signals connected to their roof top antennas. With the gain of the antenna, a signal much stronger than the usual leakage will result. I think individuals have even been known to use an amplifier to feed CATV signals to their antenna to create a mini-transmitter! fm)

EASTERN TV-DX

William J. Draeb
Ellis St. R.R.#2
Kewaunee, WI
54216

April 1984

Deadline: 1st

Bill Townsend: 4500 Conn. Ave. NW #901, Washington, DC 20008 EST

February 1984

February 1984

February 1984

9 Tr 0726 WBOC-16 MD
0728 WCPB-28 MD

9 Tr 0728 WMTV-53 VA
0729 WMDT-47 MD

9 Tr 0730 WHRO-15 VA

Opening to south unusual in early Feb. As usual, WBOC-16 in around one out of every three days.

Robert Goodman: 2030 Haring Ave., Bronx, NY 10461 EST

December 1983

December 1983

January 1984

3 Es 1126 WSAV-3 GA 750
1459 unid-2 (Miami?)

3 Es 1600 WEDU-3 FL 1050

7 Es 1330 WJMN-3 (WFRV I.D.)
1355 KDLH-3 MN 1000

Alan Hyams who's less than a mile from here, has W59AT as a local, but I haven't seen it here yet. Of course, he's on the 17th floor, and faces the right direction. DX more in '84.

George Rogers: 320 Lafayette Road, Chickamauga, GA 30707 EST

Here is my report for this month's column. This month started out with a big tropo opening but it went back to normal after that. Equipment: Zenith 12" portable Model No. BT-120-Y.

January 1984

28 Tr 0836 WLKY-32 KY 303
0837 WMB-40 IN 417
Indianapolis
0839 WETV-30 GA 113
0840 WASH-46 GA " "
0841 WISH-8 IN 417
0842 WDRB-41 KY 303
0843 WOVL-15 AL 177
0847 WBLR-10 TN 111
0848 WPTV-24 TN 322
0850 WTVW-7 IN 275
0855 KESI-23 MO 335
0900 WSET-22 IN 557
South Bend
0901 WMDU-16 IN 557
South Bend
0902 WLEX-18 KY 292
0904 WZTV-17 TN 129
0905 WKYT-27 KY 292
0906 WTHR-13 IN 417
Indianapolis
0907 WKO-13 KY 181
0908 WJTV-28 IN 557
Elkhart-S. Bend

January 1984

28 Tr 0910 WHAS-11 KY 303
0923 WLTZ-38 GA 224
0946 WKRP-22 OH 428
0948 WBMG-42 AL 145
0950 WFTS-14 IN 275
Evansville
0951 WHTT-25 IN 275
0952 WAFV-44 IN " "
Evansville
0956 WTVQ-36 KY 292
1000 WTTT-21 AL 149
1029 WKMU-21 KY 250
1033 WKMA-35 KY " "
1035 WWSB-27 MS 265
1040 WKZT-23 KY 275
1055 WGRB-34 KY 215
1110 WHMA-40 AL 110
29 Es 1010 KNDX-2 ND 1250

February 1984

4 Tr 0905 WAXI-46 GA 113
5 Es 1647 XHAI-5 VER 1130
1650 XHGL-4 " 1150
1724 XHPM-2 CH 1100
1805 XHPM-2 VER 1120
8 Tr 0815 WTTT-21 AL 149
0820 WBMG-42 AL " "
0825 WETV-30 GA 113
0830 WHIQ-25 AL 105
1448 WGRB-34 KY 215
13 Tr 1238 WWSB-27 MS 265
1240 WKZT-23 KY 275
1915 WKPD-29 KY 277
19 Tr 1800 WVTM-13 AL 145
1810 WBLR-10 TN 111
1855 WHMA-40 AL 110
1925 WKYT-27 KY 292
21 Tr 0805 WCAV-30 TN 129
Nashville
0808 WKSO-29 KY 160
0810 WFTZ-39 TN 98
0815 WBMG-42 AL 145
0820 WTTT-21 AL " "
0830 WXIA-11 GA 113
0945 WATA-10 AL 385

The January 28th tropo opening was great because I received three South Bend U's at a distance of 557 miles, my farthest UHF tropo ever. I hope this summer's DX season is filled with a lot of Es and Tropo.

A little tropo activity was observed here on Feb. 15 from the SE(OH, PA etc), other than that, not much going on.

I heard an interesting story on the news the other night. It seems that some crawled to the top of WWTN's tower (new ch.39 in Marshfield which is under construction) and on the way down (about 2 A.M.) the kid decided to take a short cut by sliding down one of the guy wires. Well, he fell 125 ft. and was taken to a hospital in fair condition. Don't know if he survived in the end.

There should be more DX activity next month. Spring is on the way!-wd.

ANTENNA NEWS

Doug Dornbos
3009 Port Sheldon
Hudsonville, MI
49426

Antenna News

Page 2

April 1984

Dear Fellow DX'ers,

As I move near the home town of Jerry Ford, Grand Rapids, I realize how close to current the magazine articles are getting. There are a few things I should mention here. First, I do not have access to pre-82 VUD's. If someone would index the antenna articles for me so I can include them in the listings I would greatly appreciate it. Second, many of the articles listed in this column over the past months deal with antennas other than those for TV-FM use. These have been included for their theory/idea content and can be very valuable. Third, you may have noticed that I also included many articles dealing with interference. These have been listed due to 2 realities, 1) Several of them deal at least in part with antenna problems and, 2) interference problem solving is a lot like antenna problem solving in that you are usually left up to yourself as far as finding the solution goes. We will discuss antenna system interference problems here this month. Next month we will discuss preamps.

MAGAZINE ARTICLES * DURING THE PRESIDENCY OF GERRALD FORD

How to Upgrade Your TV Antenna System	Mechanics Illustrated	Sep 74
Interpreting MATV Amplifier Specs	Electronic Tech./Dealer	" "
TV Signal Boosters That May Be Schockers	Consumer Reports	" "
Winegard Cablemate Model CTS-1	Radio-Electronics	" "
Balancing Channels In MATV Systems	Electronic Tech./Dealer	Oct "
TV and Radio (this may be in Oct. 75)	Consumer Research Magazine	" "
Will an Outside Antenna Help?	Changing Times	Nov "
Profitable MATV Repairs	Electronic Servicing	Dec "
Rhombic Uhf TV Aerial	Wireless World	" "
Vhf Antenna Arrays for High Performance	QST	" "
Aerial Rotator Servo	Wireless World	Apr 75
Before You Choose an Antenna	Popular Science	" "
How to Mount Mobile Antennas	Popular Electronics	" "
Tips From the Pros: Installing Your Own TV	Antenna Pop. Science	" "
Servicing MATV Systems	Radio-Electronics	May "
Choosing Your FM Antenna	Popular Electronics	Jly "
Fundamental Blocking	" "	" "
MATV Splitters	Radio-Electronics	Aug "
Installing TV-MATV Antennas	" "	Sep "
What Is The Signal Level Now?	" "	" "
Harmonic TV Interference	Popular Electronics	Oct "
Build a High-Gain Rhombic TV Antenna	" "	" "
Cry Interference & Unleash the FCC	High Fidelity	Dec "
Build a Long Distance TV Antenna	Science Digest	Jan 76
Danger Lurks!	QST	Feb "
TV Antennas That Banish Picture Ghosts	Popular Science	" "
Rx for RFI	High Fidelity	Mar "
Understanding MATV Accessories	Radio-Electronics	May "
CB in Hi-Fi & TV	" "	Jly "
Guide To Choosing TV & FM Antennas	Popular Electronics	" "
RFI Packet Update	QST	" "
Buyer's Guide to Antenna Rotators	Popular Electronics	Aug "
TV Antennas That Don't Connect With Reality	Consumer Reports	" "
Selecting & Installing TV Antennas	Radio-Electronics	Sep "
Stay Off My TV Good Buddy	TV Guide	Oct 23
TV Antenna Grounds: Q & A	Electrical Construction/Management	Nov "
RFI: Causes & Cures	Radio-Electronics	Dec "

TRAPS & FILTERS

Antenna filters come 4 ways: 1) Those that filter out everything below a certain frequency (high-pass filters), 2) Those that filter out everything above a certain frequency (low-pass filters), 3) Those that filter all frequencies other than that band of interest (band-pass filters), and 4) Those that filter out a band of frequencies and leave all else (band-stop filters).

Traps & Filters (cont)

High-pass filters are usually used to filter out everything below channel 2. Electronic Specialists also makes one to filter out everything below FM. These are very useful devices as they filter out CB, shortwave, ham signals-6 meter and below, and the hf psb. Many brands are available.

Low-pass filters are usually made up by using band separators with the high end of the split terminated in its' characteristic impedance. You could use a Vhf-Uhf band separator with the Uhf terminals terminated with either a 75 ohm or 300 ohm resistor (whatever is needed) as a filter to attenuate everything above Vhf.

Bandpass filters are made for every TV channel in service but for DX use about the only one we use is a FM bandpass. These are available from Winegard and Channel Master as well as others. (under \$100.) You can also buy very inexpensive models which are basically band separators with everything terminated but FM. RMS makes a nice 75 ohm version for \$5. (I have a half-dozen of these if you want one.) True-spec also makes a balun transformer with FM bandpass filtering built in for FM cable use. (under \$5.)

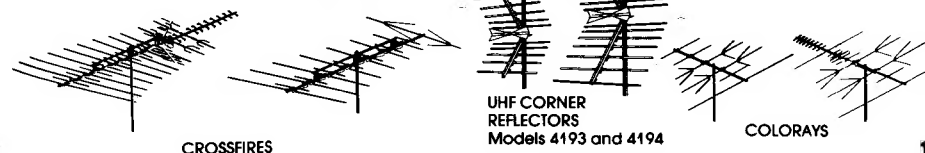
Band-stop filters, often called traps, are responsible for many of the questions I receive about antenna equipment. They can be used to filter out single TV channels, whole blocks of frequency, or extremely narrow sections of the spectrum. Single channel TV filters are available from many manufacturers. In DX'ing it becomes very important to note (before purchasing) how much the filter is going to deteriorate the adjacent channels. For example, the Channel Master Join-Tenna filters will detract from channels 5 stations away from the trapped station when used in the Uhf band! That means that a total of 10 channels are affected.

Two whole bands of frequencies are often gotten rid of to reduce interference problems, the FM band and the band just above it and below channel 14. To reduce that band (public service and 2-meter ham) the Winegard BRF-170 is an excellent product. If you're not DX'ing FM, a FM trap can get rid of a lot of problems for you. Several manufacturers make them. To filter very narrow bands of frequency, notch filters are used. They can be used to notch out a powerful FM station or just the video or just the audio of a TV channel. Quite often they are adjustable with one or two controls. The Channel Master 7008 is an example. These type of units do a very good job but if you don't have a field strength meter of some kind they can be hard to set. They also are typically several hard earned bucks, 100-150.

WHERE TO PUT 'EM

The question often arises as to where to put the thing now that I bought it. The answer is almost ALWAYS to put it just before the first piece of electronics. When overload does occur from strong out-of-band signals it usually is in the first stage of the first piece of electronics. To put your filter anywhere else wouldn't do as much good.

Channel Master®
Antennas



VHF UTILITY DX

Donald L. Blevins
1657 Essextowne Circle
Baltimore, MD 21221
phone# 301-391-3408

VHF UTILITY DX.....This month's feature loggings from Robert Schweitzer of Old Bridge, New Jersey. In answer to your question, Bob, yes I have moved again. The unfortunate circumstance with this last move is that I am in an apartment that does not permit outside antennas.

DX is not impossible with an inside screw in whip. April through September of 1982, as you may recall was fruitful for me on my Bearcat 210 with a screw in whip. With a screw in whip I managed to receive the Melrose, MA FD on 46.06 mhz. In fact I picked up about 25 QSL's from that location in Odenton, MD.

RC Schweitzer MEC Pine Tree Blvd Old Bridge, NJ reports:

33.04	KYQ 553	Hanterton County	Cherryville, NJ
33.56	KEG 776	Edison Fire Central	Edison, NJ
33.60	KDW 338	Borough of Sayerville	Sayerville, NJ
33.74	KRT 897	Whitehouse Fire Company	Whitehouse Station, NJ
	KYO 430	Hanterton County	Cherryville, NJ
33.78	KEE 720	Millburn Township	Millburn, NJ
	KEJ 451	Ocean County	Toms River, NJ
	KGH 770	Lebanon County	Lebanon, PA
33.82	KCO 314	Jamesburg Fire Department	Jamesburg, NJ
	KDK 766	Avenel Fire Department	Avenel, NJ
	KVT 333	Piscataway Township	Piscataway, NJ
	KDK 783	Highland Park	Highland Park, NJ
	KDN 517	Spotswood	Spotswood, NJ
	KUN 510	Hopelawn Fire Department	Hopelawn, NJ
	KRT 660	Spotswood	Spotswood, NJ
	KQD 338	Sayreville	Morgan, NJ
	KQW 525	North Brunswick	North Brunswick, NJ
	KEG 883	Middlesex County	Iselin, NJ
	KDN 517	Spotswood	Spotswood, NJ
	KDN 530	South River	South River
	KDD 249	North Brunswick Eng Co. 1	North Brunswick, NJ
	KDD 248	Colonia VFD	Colonia, NJ
	KDQ 338	Sayerville Borough	Sayerville, NJ
	KDY 438	Port Reading VFD	Port Reading, NJ
	KDQ 223	East Brunswick Township	East Brunswick, NJ
	KED 814	South Plainfield	South Plainfield, NJ
	KEC 425	North Brunswick Engine Co. 1	North Brunswick, NJ
	KED 485	Woodbridge Township	Woodbridge, NJ
	KEE 675	Middlesex Borough	Middlesex, NJ
	KEF 386	Middlesex County	New Brunswick, NJ
	KEF 984	Middlesex County	Iselin, NJ
	KEG 253	Fords Fire Central	Fords, NJ
	KEG 386	Middlesex County	Kearney, NJ
	KEG 514	City of Perth Amboy	Perth Amboy, NJ
	KEG 663	Metuchen	Metuchen, NJ
	KEG 776	Edison Fire Central	Edison, NJ
33.86	KEE 846	Palisades Park Borough	Palisades Park, NJ
	KED 736	Fairlawn Borough	Fairlawn, NJ
	KDR 384	Garfield City of	Garfield, NJ
33.98	KGE 362	Acme Hose Company	East Stroudsburg, PA
	KWH 498	East Stroudsburg Borough	Jackson Township, PA

39.46

46.06

46.10

46.18

46.32

46.42

KQL 781	Marlboro Township	Marlboro, NJ
KFB 991	Clark Township	Clark, NJ
KEP 989	Garwood Borough	Garwood, NJ
KFB 840	Winfield Township	Winfield, NJ
KEJ 495	Town of Westfield	Westfield, NJ
KEF 442	Roselle Borough	Roselle, NJ
KEC 996	Cranford Township	Cranfield, NJ
KCS 504	Township of Westfield	Westfield, NJ
KDG 367	Roselle Park Borough	Roselle Park, NJ
KDG 887	Scotch Plains Township	Scotch Plains, NJ
KEC 581	City of Plainfield	Plainfield, NJ
KEC 249	Rahway City of	Rahway, NJ
KDP 360	City of Linden	Linden, NJ
KDJ 471	Kenilworth Borough	Kenilworth, NJ
KDG 888	Berkely Heights	Berkely Heights, NJ
KGF 318	Bucks County	Doylestown, PA
KEC 697	East Meadow Long Island	East Meadow, NY
KEC 960	Hewlett Bay Fire District	Hewlett, NY
KED 745	Bethpage Fire Department	Bethpage, NY
KEC 563	Franklin Square Fire Dept	Franklin, NY
KEB 486	Baldwin Fire Department	Baldwin, NY
KBJ 970	City of Long Beach	Long Beach, NY
KWE 641	Bellerose Fire Department	Bellerose, NY
KED 347	City of Hicksville	Hicksville, NY
KED 554	City of Oceanside	Oceanside, NY
KEG 503	Jericho Fire Department	Jericho, NY
KED 586	Syossey Fire Department	Syossey, NY
KED 662	East Rockaway Fire Dept	East Rockaway, NY
KED 747	North Bellmore Fire Co	North Bellmore, NY
KEE 204	Albert Engine Company	Great Neck, NY
KEE 625	Woodmere Fire Department	Woodmere, NY
KEG 254	Massau County Fire Comm	Mineola, NY
KEE 716	Plainview Fire Department	Plainview, NY
KEE 398	Rockland County	Pomona, NY
KQY 843	Tappan Fire District	Orangeburg, NY
KEC 961	North Merrick Fire Depart	North Merrick, NY
KJW 777	Chester Township	Chester, NJ
KED 268	Kinnelon Fire Department	Kinnelon, NJ
KEH 547	Mountain Lakes Borough	Mountain Lakes, NJ
KCI 738	Town of Morristown	Morristown, NJ
KE6548	Township of Jefferson	Jefferson, NJ
KCQ 272	Town of Dover	Randolph Township, NJ
KVG 960	Cheesequake Fire Department	Matawan, NJ
KCS 485	Township of Dennville	Dennville, NJ
KDD 911	Madison Township	Madison, NJ
KEI 340	Jefferson Township	Oak Ridge, NJ
KEJ 452	Rockaway Township	Rockaway, NJ
KJB 851	Randolph Township	Randolph, NJ
KDH 547	Boonton	Boonton, NJ
KJF 864	Passaic Township Fire Dept	Stirling, NJ
KEJ 512	Randolph	Randolph, NJ
KEB 634	Montvale	Montvale, NJ

ASK DON....Our inquiry this month comes from new member Paxton Pickerill of Mount Airy, Maryland. Mr. Pickerill would like to know what is possible in his area.

First of all let's take a look at the Mount Airy Area. Mount Airy is located between Eastern Fredrick County and Southwestern Carroll County, the town itself straddling two counties. The area itself is quite high elevation wise and Mr. Pickerill reports he is sitting about 1000 feet above sea level.

First let's consider Mr. Pickerill's residence, which is in Fredrick County.

FREDRICK COUNTY					
Function	Frequency	Location	Call	Mobiles	
Sheriff	39.02	Fredrick	KGE 374	75	County
Sheriff	39.10	Fredrick	KGE 374	25	County
Police	494.3125	Fredrick	KGA 247	51	CITY
Police	494.3625	Fredrick	KGA 247	51	CITY
Police	494.4125	Fredrick	KGA 247	51	CITY
Fire CH 1	46.42	Fredrick	KJL 599	100	COUNTY
Fire CH 2	46.34	Fredrick	KTP 975	100	COUNTY
Fire Mutual Aid	154.28	Fredrick	KTP 975	---	COUNTY
State Police	39.40	Fredrick	KGA 918		Barracks B
CARROLL COUNTY					
Sheriff	39.88	Westminster	KTS 713	50	COUNTY
Westminster	155.07	Westminster	KGD 821	16	CITY
State Police	39.52	Westminster	KGA 917		Barracks G
Fire	33.94	Westminster	KGN 512	55	COUNTY
Fire Grounds	33.92	Westminster	KGN 511	55	COUNTY
Fire Mutual Aid	154.28	Westminster	KGN 512	--	COUNTY
ADAMS COUNTY PA					
Sheriff	45.10	Gettysburg	KCR 236	350	COUNTY
Sheriff	45.54	Gettysburg	KUQ 680	100	COUNTY
Sheriff	45.50	Gettysburg	KUQ 680	100	COUNTY
Fire	46.18	Gettysburg	KTK 634	250	COUNTY
Fire Grounds	46.20	Gettysburg	KTK 634	250	COUNTY
Fire Mutual Aid	154.28	Gettysburg	KTK 634	---	COUNTY
WASHINGTON COUNTY					
Hagerstown	155.745	Hagerstown	KZO 480	70	CITY
Sheriff	39.18	Hagerstown	KYI 857	35	COUNTY
Fire	33.86	Hagerstown	KGC 676	205	COUNTY
Fire Grounds	33.84	Hagerstown	KGC 676	205	COUNTY
Fire Mutual Aid	154.28	Hagerstown	KGC 676	---	COUNTY
State Police	39.34	Hagerstown	KGA 914		Barracks O
HOWARD COUNTY					
Police 1	159.09	Jonestown	KGG 527	175	COUNTY
Police 2	155.595	Jonestown	KGG 527	175	COUNTY
Police	155.115	Jonestown			COUNTY
Police Intersystem	460.05	Jonestown	KGG 527	---	COUNTY
Fire	154.25	Jonestown	KGG 529	60	COUNTY
Fire Grounds	154.22	Jonestown	KGG 529	60	COUNTY

QSL INFORMATION FOR MISSISSIPPI'S ETV STATIONS:

for QSL/MAPS WRITE TO
DAVID J. WILSON
DIR. of ENG.
at MISSISSIPPI AUTHORITY FOR EDUCATIONAL TV
DRAWER 1101
JACKSON, MISSISSIPPI 39205 PHONE 601-982-6565

PROGRAM GUIDE WRITE TO
LINDA CARR FLENTJE
DIR. of RADIO
at MISSISSIPPI AUTHORITY FOR EDUCATIONAL TV
DRAWER 1101
JACKSON, MISSISSIPPI 39205 PHONE 601-982-6565

FM STATISTICS

Fred Nordquist
7945 Boxford Dr
Clay, NY 13041

Deadline: the 5th

April 1984

FM SCOREBOARD

DXer, Location	Rank	Total	88-92	Es	MS	Au	USA	CN	MX	PO	TPU	YB	As of:
Pat Dyer, San Antonio TX	597	1518	204	1239	23	0	41+	3	7	3	54	70	1/1/82*
Bruce Elving, Duluth MN	590	1491	213	1231	8	7	44+	3	1	0	49	48	9/7/83
Danny Buntin, Stillwater OK	538	1554	235	898	3	0	48+	5	9	2	65	74	9/2/83
John Ebeling, Bloomington MN	515	1428	226	805	39	79	47+	4	5	0	57	52	1/3/84
Fred McCormack, Des Moines IA	424	1074	137	801	25	85	44+	6	4	0	55	65	7/2/83
Fred Nordquist, Clay NY	410	1199	191	576	28	56	39+	5	0	2	47	69	3/3/84
Jim Pissi, Lovington NM	407	1053	138	828	16	0	38	5	14	4	61	81	12/22/83
Mike Bugaj, Enfield CT	401	1197	150	629	7	21	37+	3	0	1	42	74	12/5/83
Peter Sawatsky, Guelph ON	375	1088	167	500	112	6	38+	7	0	1	47	71	12/22/82*
Ralph Strebel, Muncie IN	358	1212	321	219	35	4	38+	3	1	1	43	72	10/27/83
Joseph Fala, N. Plainfield NJ	354	1046	211	502	2	9	37+	5	0	3	46	68	1/2/84
Bob Seybold, Dunkirk NY	334	1011	149	510	0	0	40	6	2	0	48	50	8/8/82*
Tim McVey, Belvoir TN	324	1075	151	392	1	1	42	5	11	1	59	77	7/1/83
David Nieman, Akron NY	290	946	233	224	28	18	40+	7	0	2	50	59	11/12/83
John Jefferson, Pleasanton CA	286	743	153	411	122	0	23	4	4	0	31	57	10/9/83
Saul Charnes, Burnt River ON	283	768	114	414	48	70	37+	7	0	0	45	77	4/16/83
Fred McCormack, Fargo ND	278	763	88	490	3	47	47+	4	2	0	54	74	7/4/83
Mark Holbrook, Chevy Chase MD	239	787V	187	288	19	0	35+	5	0	3	44	59	5/9/83
Ken Simon, Lake Worth FL	220	528	145	429	0	0	34+	2	2	8	47	66	9/10/83
John Ebeling, Presit MN	209	609	111	319	2	5	41+	7	0	0	49	75	1/3/84
Richard Steinberger, Hudson MA	204	607	130	266	12	6	34+	4	0	0	39	58	6/25/82*
Daniel Gitting, Broomall PA	199	630	144	216	4	3	32+	5	0	0	38	77	11/2/83
Joseph Smith, Johnson City NY	169	602	79	164	0	0	34+	2	0	1	38	71	6/15/82*
Jeff Kadet, Macomb IL	156	609	114	55	4	0	32+	3	0	0	36	83	9/28/83
Alan Michalek, Springfield MA	149	451	51	244	0	0	36	4	0	0	40	52	7/25/83
Jim Ayers, Murfreesboro, TN	108	448	73	18	1	0	27+	1	1	0	29	81	2/12/82*
David O'Dell, Little Rock AR	104	367	39	112	0	0	40+	4	1	0	46	80	9/23/82*
Mike Hogan, Braham IL	80	309	60	32	0	0	24	1	0	0	25	76	7/31/83
Bob Schweitzer, E. Brunswick NJ	63	234	75	7	0	0	11+	0	0	0	12	77	9/3/83
Robert Ross, London ON	53	204	43	19	0	0	14	1	0	0	15	76	2/1/83
Ronald Purdue, Byron MN	51	156	2	95	0	0	20+	0	2	0	23	81	6/25/83
William Espburn, Niagara Falls ON	44	136	47	35	0	0	18+	1	0	0	20	70	10/24/83
Frank Wheeler, Erie PA	34	148	17	3	0	0	7	1	0	0	8	64	10/10/83
Bob Schweitzer, Old Bridge NJ	31	121	32	0	0	0	9+	0	0	0	10	82	9/3/83

V=Verified.

*Those of you who have not updated your totals since 1982 need to do so ASAP. I will drop 1982 entries in the next FM Scoreboard publication. Column definitions are as follows:
Rank=(Total+88-92+Es+MS+Au)/5 or "average". Total=Total number of FM stations logged. (Freq. changes count as a new station, call letter changes DO NOT count). 88-92 = All stations logged from 88.0 to 91.99 Mhz. Es = Total number of stations logged via E-skip. MS = Total by meteor scatter. Au = Total via Aurora. USA = Total number of states and the "+" = Washington DC. CN = Number of Canadian provinces logged; MX = Number of Mexican States logged; PO = Number of Foreign countries logged, but not Canada or Mexico. TPU = "total political units" = Sum of USA CN MX and PO. YB = The year you began DXing.....
With the aid of my TI99/4A computer, I was able to rank the scoreboard entries not only by "Totals" but also use of "88-92 thru Au" columns as "figure of merit" by using an average of the five columns, so that DXing quality is factored in. Comments would be appreciated for other methods of ranking.

Just a comment on the "ALLTIME FM DISTANCE RECORDS" published in the Jan 84 VUD - page 29. The DXers' records (members & ex-members) have ever been deleted, except in one case where the validity of the records were in question and never cleared up. Otherwise I would have to delete the word "ALLTIME" from the column title, hll Regarding the new method of calculating distances by the TI99/4A, the program used was taken from a past issue of one of the DX publications. I use the Britannica Atlas, index pages I.28 thru I.222, which gives lat/longitude in degrees+minutes of each of the DXers' location and FM station location (It is recognized that the town's center may not be the exact location of the DXer's home or the station's antenna) The program converts the input data into miles (I round off to the nearest mile). If there is a significant difference between the given data and your location, let me know. Good DXing & 73 - Fred.



FM NEWS

Bruce F. Elving, Ph.D., Editor
4515 Avenue "E"
Kezney NE 68847

FCC-FM

April, 1984

NEW FM STATIONS

AK College 103.9 3000 h.v.; zero feet
AZ Lake Havasu City 105.1 10000 h.v.; 800'
AZ Parker KWHF *90.1 180 h.v.; 1010', g. Pastor Bill
AZ St. Johns 95.7 22000 h.v.; 780'
CO Monte Vista 95.3 3000 h.v.; 90'
FL Bradenton *88.1 100000 h.v.; 480', g. Sonlight
FL Marathon 106.3 3000 h.v.; 190'
HI Honolulu 98.5 100000 h.v.; -280'
HI Lahaina 93.5 3000 h.v.; minus 1240'

KLHI *FM 101.1 50000 h.v.; plus 2460'
ID Boise 105.9 48000 h.v.; 2665'
ID Greenville WGL 101.7 3000 h.v.; 300'
ID South Jacksonville 105.5 3000 h.v.; 300'
IN Winamac 100.1 3000 h.v.; 300'
IA Iowa City KRUI *89.7 130 h.v.; 90'
KS Hays 99.5 100000 h.v.; 560'
KY Allen 100.1 860 h.v.; 495'
LA Dubach KPH 97.7 3000 h.v.; 300', kr
LA Tioga (31-25-48; 92-28-35) 98.3 3000 h.v.; 300'
LA Yarnado (30-55-00; 89-51-00) 92.7 3000 h.v.;
ME Standish WSJB *FM *90.9 360 h.v.; 85' St. Josephs College [250']

MD Frederick WFXM *88.1 25000 h.v., directional, g
MD Greenville WAJ *90.3 10000 h.v.; 555' "g"
MI Gaylord *90.5 100000 h.v.; 1000', g. N. Christian
MS New Albany 106.3 3000 h.v.; 300'
NH Hinsdale 104.9 960 h.v.; 490'
NM Eunice 100.9 1300 h.v.; 430'
SC Conway WHMC-FM *90.1 30000 h.v.; 705'
SC Port Royal WOEC 99.7 100000 h.v.; 1210'
SD Pierpont KDSO-FM *90.9 70000 h.v.; 1060'
TX Bay City 92.1 3000 h.v.; 300'
TX Childress 95.9 3000 h.v.; 295'
TX Lamesa 100.3 100000 h.v.; 880'
TX Mesquite *88.3 3000 h.v.; 300', schools. Time-sharing with it, is assumed, KJCR *88.3 Keene TX (which increases power) and possibly also with KNTU *88.1 Denton (which also increases power); FCC not clear as to which stations exactly are to share time with each other.

TX Rockport 102.3 3000 h.v.; 300'
UT Kanab KKKH 101.1 99000 h.v.; 470'
WI Spencer 92.1 3000 h.v.; 300'
VI Charleston 100.3 50000 h.v.; 195'

CALL LETTERS ASSIGNED OR CHANGED

AL Birmingham 99.5 WQUS (WRKK)
AL Chickasaw 98.3 WDLT (WJQY)
AZ Casa Grande 105.5 KBST (KSAA)
AZ Kingman 100.1 KGMN
AZ Payson 103.9 KKKJ (KPSN)
AZ Springville 101.7 KQAZ
AR Dermott 103.1 KAKA-FM
AR Mountain Home 105.5 KGH
AR Yellville 97.7 KCTT-FM
CA Manteca 96.7 KROI (KORY)
CA Modesto 102.3 KFIV-FM (KFIV-FM)
CA Oildale 95.3 KLLY
CA Sacramento 105.1 KSKK (KEWT)
CA Salinas 100.7 KOTM-FM (KWTY-FM)
CA Cape 99.5 KNTI (KQEF)
CO Eagle 101.5 KGMJ
CT Meriden *90.5 WPKT (WPBH)
DC Washington 100.3 WDJY (WOKK)
FL Coral Gables 105.1 WEZI (WYOR)
FL Fort Pierce 98.7 WKGR (WIZD)
FL Jacksonville *88.1 WNCM
FL Melbourne 107.1 WVTI (WLLV)
GA Columbus *90.5 WFRG
GA Valdosta 92.9 WAAC (WGOV-FM)
HI Kahului 99.9 KHUI
ID Payette 100.3 KOPD (KWBJ)
IA Lamoni 97.7 KLAAL
KS Phillipsburg 92.5 KKAN-FM (KBMJ)
KY Keavy *91.5 WVCT

LA Lake Charles 99.5 KHEZ (KLCL-FM)
MD Westminster 100.7 WGRX (WTRR-FM)
MA Falmouth 100.9 WFAL
MI Detroit 99.5 WCLS (WABX) [Lite]
MI Grand Rapids 95.7 WLMT (WZZR-FM), W-
MI Lakeview 106.3 WLKV-FM
MI Muskegon 104.5 WQWQ (not WQKT, which is in Wooster OH), still h, no Mutual. Our reporter must have heard Wooster, thinking Muskegon had changed calls; assume WQKT Wooster is now country with Mutual's Larry King Show.
MN Minneapolis 97.1 KTCZ-FM (KTCR), r.
MN Oskosh 103.9 KBHL
MS Leland 102.3 WQQ
MS New Albany 103.5 WVKZ (WOKM)
MS Piquette 106.3 WRMH (WJOJ)
MO St. Louis 93.7 KSD-FM (KSD-FM)
NE Seward 96.9 KZKX (KSRD), will stay k with ABC-Direction; uses new calls on the hour; announcers still refer to it as "KSRD" otherwise. Are waiting for new jingles before using the new calls more extensively. Strange!

NJ Lawrenceville *88.5 WRRR (WWRG)
NM Alamogordo *88.9 KMTB
NY Helena 105.3 KPEF
NY Clifton Park 96.7 WCSF (WIAK)
NY North Syracuse 100.9 WZG-FM (WSCY); b
NY Elizabeth City 96.7 WKXJ 300' (3000 h.v.)
NO Oakes 92.3 KDDR-FM
OH Cleveland 106.5 WLTG (WZZP)
OK Henryetta 99.5 KDLB (KGGG-FM)
OK Weatherford 97.3 KBXR (KWEY-FM)
OR Hermiston 99.3 (not 98.3 as on FMaps, p. 61)
OR Astoria KQFM (from KOHU-FM)
OR Beaverton 103.3 KCKW (KTJA), in Stereo, r (all love songs); id with Portland; K-103 (strict)
OR Bend 105.7 KJII
OR Cave Junction 102.7 KIVR-FM
OR Pendleton 103.5 KWHT (KFMT)
PA Philadelphia 104.5 WSNi (WNSi-FM)
SC Camden 94.3 WPUB-FM (WPUG)
SC Gray Court (changing city of license from Laurens) 100.5 WSSL-FM (WSSL)
SD Reliance *91.1 KTSD-FM (KASD), on air with Stereo, c, National Public Radio and MN Talking Book for the Blind SCA; now MN talking book can be heard from central SD to and beyond Houghton/MIL... Dual-city ID with Pierre SD
TN Dayton 104.9 WLCY (WNFM); Stereo?
TN Hendersonville 92.1 WQKQ (WMAK-FM)
TN Murfreesboro 96.3 WZKS (WKOS)
TX Anson 103.1 KTCF
TX Bryan 104.9 KTFE
TX Hebburnville 101.7 KCFL
TX Keene *88.3 KJCR (KSUC), share time with Mesquite *88.3? [See "New," first column]; goes to 50000 h.v. (235')
TX Kingville 97.7 KDUV (KINE-FM)
TX Lubbock 94.5 KFMX-FM (KFMX)
TX Seabrook 92.1 KZRO 92.1, rock, Z-92
TX Uvalde 102.3 KLXQ
TX Winters 95.9 KPUB-FM
UT Cedar City 92.5 KSSD (KSUB-FM); affects translators 92.1 Kanab, 102.3 Panguitch, and 102.3 St. George UT
UT Roy 107.9 KRGO-FM (KRGO)
VT Waterbury 103.1 WTIJ (WVRS)
VA Cape Charles 96.1 WGGH
VA Colonial Heights 95.3 WKHK (WPVA-FM)
VA Front Royal 95.3 WFTF-FM (WIXV)
VA Staunton 99.7 WANV-FM
WA Edmonds 105.3 KCMS (KBIO)
WA Raymond 97.7 KSWW
WA Walla Walla 97.1 KHIT-FM (KSXT)
WV Martinsburg *88.9 WVPE (has no vertical)

WI Baraboo 94.9 WNLT (WLVE)
WI Milwaukee 102.9 WBCS-FM (WBCS)
WY Afton 98.3 KRVS-FM
SCA (67 kHz)
CA Sacramento KSKK 105.1 tX (data, chirps, etc.)
CA St. Helena-Napa KVVN 99.3 tSports, etc., K-99 Country is its nonID
CA San Francisco KDCC 102.1 data chirps at 92 kHz
CA Stockton KSTN-FM 107.3 drops its 92 kHz SCA data (data said to be on 41 kHz on this non-Stereo station)
IL Chicago WMBI-FM tX on all time (telemetry)
WNIB 97.1 no SCA
KS Hutchinson KSKU 102.1 tABC networks
NV Las Vegas KUNV *91.5 tX; 15000 h.v.; 1100'
NY Albany WHRL 103.1 using 92 kHz for Mutual network relay

APPARENT DELETION
UT Kanab K265AD 100.9 to make room for new KKKH Kanab 101.1 MHz
STEREO
ND Fargo KRRZ 101.9, m, Mutual, 870' (10000 h.v.)
OR Florence KDOK 104.7, r, IDs as Florence-Eugene-Corvallis; studios at Coburg OR, 64 km E.
SD Sisseton KBWS 102.9 rock, with live announcers
TN Henderson WFKV 95.9 soul, strict Kix-96 and other nonIDs, no network; ID as Henderson-Jackson, "Nice-sounding station which seems to get out to a normal class A range"
TN Olivehill WDNX *88.1

FMistakes (FM Atlas errors)
CA Calexico, map p. 57, is 97.7, not 92.7, KDVO
FL Melbourne WCFB 106.3 missing from map, p. 29
Facilities' Changes
AZ Flagstaff KAFF 92.9 100000 h.v.; 1510'
AR Waldron KRWK 103.1 300' (3000 h.v.)
CA Grover City KLOI 107.1 685 h.v.; 715'
CA Hanford KKY5 107.5 18500 h.v.; 790'
CA Hoopa KIDE *91.3 310 h.v.; -780'
CA Los Angeles KRTH 101.1 37500 h.v.; 3130'
CA Needles KWAZ 97.9 2800 h.v.; 1570'
FL Tallahassee WGLF 104.1 675' (100000 h.v.)
FL Titusville WPIG *89.3 (not 88.9)
GA Atlanta WRAS *88.5 100000 h.v.; 340'

WAGE *90.1 has vertical
WRMM 99.7 1030' (100000 h.v.)
HI Honolulu KQMD 93.1 54000 h.v. (-120')
IL Chicago WNIB 97.1 8400 h.v., directional (1190')
IL Elmhurst WTPC *95.9 (from 89.7) 17 watts h, 190'
IN Columbia City WKSJ 106.3 1800 h.v.; 407'
IN Crawfordsville WNDY 106.3 3003 h.v. (77')
IN Earl Park WIBN 98.3 adds vertical
IN Versailles WVOR 103.1 3000 h.v.; 300' [440']
KS Abilene KABI-FM 98.5 (from 98.3) 100000 h.v.; 235'
KS Wichita KBRK 97.9 100000 h.v. (370')
ME Bangor WHSN *88.3 4700 h.v. (69')
MO Hagerstown WXSX 106.9 15000 h.v.; 870'
MI Detroit WQRS 105.1 16000 h.v.; 785'
MN Duluth KDNW *90.5 800 h.v. (480')
MO California KZMO 94.3 1300 h.v.; 445'
MO Lebanon KIRK 103.7 100000 h.v.; 1000'
MO Osage Beach KYLC 93.5 3000 h.v.; 300'
MO St. Louis KSLH *91.5 100000 h.v.; 500'
MO Springfield KSMU *91.1 (apparently not moving to 89.1) 5800 h.v.; 205'

NJ Atlantic City WFGP 96.9 360' (50000 h.v.)
NJ Blairstown WFMV 106.3 340 h.v. (160')
ND Bismarck KDQY 94.5 1120' (10000 h.v.)
ND Minot KMPR *88.9 (not 89.9), on air in \$, c, NPR network, parallel to KCND 90.5 Bismarck
OK Tulsa KWGS *89.5 20000 h.v.; 575'
OR Klamath Falls KTC *89.5 210 h.v.; 200' (1560')
OR Portland KOAP-FM *91.5 70000 h., 21000v; /

PA Honesdale WDNH-FM 95.3 3000 h.v.; 255'
PA Sunbury WQKX 94.1 16000 h.v.; 875'
TN Sweetwater WDEH-FM 95.3 2800; 135'
TX Clear Lake City KMJQ 102.1 1720' (100000 h.v.)
TX Denton KNTU *88.1 100000 h.v.; 400' sharing time? See Mesquite (new) previous page.
TX Hillsboro KJNE 102.5 50000 h.v.; 550'
TX Mercedes KGAR 106.3 810 h.v.; 590'
WA Seattle KISW 99.9 1310' (100000 h.v.)
WI Kenosha WJZQ 95.1 16500 h.v.; 385'
WI Menomonee Falls WFRM 98.3 2600 h.v.; 330'
WI Milwaukee WQFM 93.3 12500 h.v.; 990'; reduces coverages

SLOGANS NON/IDS
GA Marietta WVFJ-FM 93.3 Victory-93
GA Manchester WKHF 101.5 spell it Kix, not Kicks
NY Middletown WYKCL 92.7 no nonID
LA Council Bluffs and NE Kearney KOKO & KOKY, listed as ABC-FM affiliates, but I called and they only take ABC commercials and specials, so I don't list them as affiliates!

READERS' REPORTS
Keep translators where they are in the FM Atlas implores Nick Lombardi. "One of the advantages of the current arrangement is that a traveler can go into an unfamiliar area and have a complete integrated list of all signals in the FM band which he is likely to encounter," with possibly a section "FM translators by originating station." Nick sent a nice letter to the Audio Amateur (2-84) recommending my book to FMophiles. Nathaniel Ely said he read some of my early articles in DXing Horizons, which Bill Draeb sent him, "We're all lucky to have your unending work in FM-DX," he kindly says.
KRAB *107.7 Seattle has been sold for \$4 million, so watch it become commercial rock. A time-share is hoped for with KNHS *89.5 so KRAB programming can continue.

Paul Wardell says K280AC Vancouver WA continues in its silent ways, saying that it was having difficulty getting the primary station (KUOW *94.9 Seattle), and was hoping for a more favorable site.
Family Radio confirms it is not behind all the religious community foundation FM stations being applied for around the country. KWES in Monahans 102.1 has the best signal into Fort Stockton besides local KPJH, says W. M. Beckett. KDNW *90.5 Duluth wrote John Ebeling to say that his cabin reception of WOJB *88.9 in Hayward may be improved by directionalizing his receiving antenna away from their Chisholm MN translator on the same frequency.

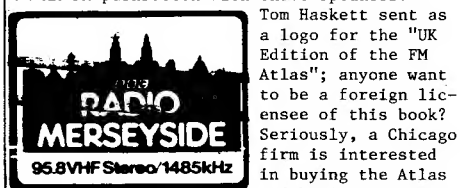
Here's Tim Mc Vey on car radios. "The Detroit factory jobs are far superior to the aftermarket. I enjoyed Tom Cornell's comments in your column. How true they are! I think the secret to Detroit's radio success (and the justification for their high prices) is the tremendous amounts of time and money spent to insure compatibility with one car, one antenna, one feedline. The radios undergo extensive testing to ensure reasonable performance in an auto environment--with consideration for the ground plane effects of the car body, the length and type of antenna and feedline, the power supply and 135-v spikes dumped into the electrical system by the alternator, etc. . .

OK Edmond KKLK 97.7 (and Oklahoma City xltts) "Clear Stereo," music now m
TN Chattanooga WOOD-FM 96.5 96-Country
TN Milan WYNU 92.3 The New 92
TX Monahans KWES 102.1 102-FM and K-Wes
MULTI-CITY IDs
OK Edmond KCSC *90.1 adds Oklahoma City; no non-ID
PA Ephrata WIOV 105.1 adds Lancaster PA
TN Jackson WKIR 104.1 uses Jackson-Humboldt-Henderson-Milan-Brownsville--an unprecedented five-city ID!

FORMATS/NETWORKS
CA Los Angeles KXLU *88.9 adds Spanish weekends
CO Alamosa KRZA *88.7 Spanish-English bilingual, 280 watts h.v.; -335'
FL Plantation Key WXOS 100.3 rock
IL Oak Park WBMX 102.7 ABC-FM
MI Holland WKLD 94.5 back on air-rock (top 40), Stereo, studios in Grand Rapids MI.

MO Kansas City KLSI 93.3 ABC-Direction
MN Hibbing WMBG 106.3 rock
NY Buffalo WBEH-FM 102.5 ABC-FM
NC Henderson *YFJ 92.5 gospel
ND Fargo KDSU *91.9 jazz [and jazz]
OR Corvallis KBVR *88.7 progressive rock, /
OR Portland KUPL-FM 98.5 ABC Direction
SD Brookings KESD *88.3, KUSD-FM *89.7 Vermillion, KTSD-FM *91.1 Reliance (all identify together), ip ic
SD Porcupine KILI *90.1 no network; never has any NPR programs been heard on 'em!
TX San Antonio KSAQ 96.1 rock, Q-96
WI Ashland WATW-FM 95.9 country
WI Hayward WHSM-FM 101.7 k[country]
WI Madison WGMN 98.1 rock, Magic-98
WI Sun Prairie WMAJ 92.1 rock
If any "network" affiliates listed here do not carry daily network newscasts, let me know and I will remove the network listing from them!

Chrysler sold me on U. S. factory radios: they maintain a huge plant here in Huntsville devoted to the electrical components of their cars. The radios are designed, tested, re-designed, re-tested and finally manufactured at Huntsville Operations. I work with one of their ex-engineers at NASA, who has been kind enough to tell me of his specific duties in the testing of their digital models. Quite impressive! Perhaps one should consider all that when one balks at a \$500 price for just an AM-FM pushbutton with three speakers!"



Tom Haskett sent as a logo for the 'UK Edition of the FM Atlas'; anyone want to be a foreign licensee of this book? Seriously, a Chicago firm is interested in buying the Atlas and having me stay

on for a management fee. Not sure I'm interested; depends on what offer may come.
Jim Pizzi sent an article from the Albuquerque Journal on KRZY call letters being a real K-Joy, and listed KEOldies, KRKE, KRST for Sandia Crest, KLYT, KUNM, KHFM High Fidelity music and the crazies--KRZY, KRAZ, KRZE in Farmington and KRZY in Roswell.

CONTRIBUTORS W. M. Beckett, Fort Stockton TX; P. L. Boersma, Spring Lake MI; John Ebeling, Bloomington MN; Nathaniel Ely, Madison WI; Nick Lombardi, Atlanta GA; Tim Mc Vey, Huntsville AL; Dave Paulsen, Napa CA; Jim Pizzi, Lovington NM (who is going to be in CA several months and may send a report from there); Stephen Sorachman, Sunnyside NY; Art Thompson, WFMF West Orange NJ; Don Voogele, Seattle WA; Paul Wardell, Portland OR; Phil Wells, chief engineer, KPSP Palm Springs CA; Dr. Richard Wood, Abha, Saudi Arabia ("Though I don't have much to contribute to it, I continue to read and enjoy your column in VUD; it comes air mail; I'm in touch with various WFTDAers. Many people at the post office admire Weldon's (rubber) stamp with my Abha address. As there is less entertainment here and a simpler lifestyle generally, little things like that get more attention."). Also contributing: Tracy K. Wood, Portland OR, who's trying to keep up to date on all the confusing multiple-city identifications in use by his area stations.

This page partially typed on an IBM 2-pitch Selectric III here on trial. New FM Atlas deadline should be around April 10, so if you have any news rush it in/it will also make this column!

NORTHERN FM-DX

Saul Chernos
79 Ridge Drive
Toronto Ontario
M4T 1B6 (416) 489-8623

APRIL 84

* Note new phone #. By the time you read this, I'll be done at Carleton for the year except for one exam. This # is good until mid-May, at least. Prepaid calls always welcome; also looks like I may make WTPDA in Jamestown. I hope every one of you can make it. Also I very much hope to make ANARC convention - Toronto is a great place to see sports, party, etcetera, so I heartily recommend ANARC as well. Maybe we can organize a WTPDA GTG at ANARC...just a thought; if you agree, lemme know. ASAP.

* Some more Winter Es are featured this month, as is my own end-of-season DX which I finally got into order. If you've any DX reports sitting around, send it before the summer rush.

Arnold Lazarus - 333 Candee Ave. #4E - Sayville NY (516) 567-2545 last report cont...

JANUARY 7 1984 E-SKIP

1427 UNID 89.1 dual w/ 89.3 FF
1430 KNNS 96.9 MN Grand Rapids
1436 KQDS 94.9 MN Duluth r
1441 UNID 93.5 FF o/WRTN
1444 WIMI 99.7 MI Ironwood wx
1456 UNID 91.3 // 92.9 // 98.9 EE
1459 CFNO 93.1 ON Marathon r
1500 CITI 92.1 MB Winnipeg r "City-FM"
1510 CFQX 92.9 MB Selkirk

Anyone needing instructions for defeating the automatic muting circuits on the Carver TX-11 can send a SASE to the above address. It only involves cutting two wires but greatly improves the useability of this incredible tuner.

(EDITOR'S NOTE: 89.1 is Fort Frances ON French CBC for sure (I'm not certain of calls) & 89.3 is (CBON-20 Thunder Bay, ON as well. 93.5 is CKSB-7 in Kenora ON - I doubt Zenon Park SA as lower power)

(er & out of your target area by a lot. CKSB is CBC French, despite no CB.. calls. 91.3, -92.9 and 98.9 EE are most puzzling & I'll have to research solutions. Were they CBC?-saul.)

DAVE NIEMAN SENT A BRIEF NOTE TELLING ME A PAST COLUMN WAS LATE (SORRY) & THAT ON JAN 7/84 HE HAD ES TO MARITIMES ON FM & GOT 7 NEW FM'S FROM THE AREA. HOT DAMN & SORRY I MISSED ON THAT. SEVERAL PEOPLE SEEMED TO CLEAN UP THAT DAY-ed.

Harry Hayes - 9 Henry Street - Wilkes-Barre PA 18702 EST GE Superadio/Radioshack FM \$ Rabbit ears/Radioshack FM \$ amplifier.

NOVEMBER 3/84 Es

2040 WQID 93.7 MS Biloxi r "94-QID"

24 GW from THORNHURST PA

WSEB 93.5 PA Stroudsburg, ex-WPO. r

DECEMBER 3 Es

1622 WPUZ 93.7 FL Ocala QTH ment.
1638 WPCV 97.5 FL Winter Haven
1641 WDIZ 100.3 FL Orlando r, just like it has been for years.
1654 WINZ 94.9 FL Miami Beach ads & soul mx
JANUARY 7 1984 Es
1208 CHOS 95.9 NF Rattling Brook ending "American Top 40" prgm w/Kasey Kasem; then into audio equipment maintenance feature.

The DX is there this winter as you can see. I had an interesting experience Jan 7/84: I purchased a \$ FM amplifier that morning at Radio Shack, to couple with my FM rabbit-ears. I got home around 1140 and tried it on my Superadio. I first tested it on normally scratchy WHOU-97.3 Ithaca NY, (85 mi. away) & noted quite an improvement on this. Then I went down to 96.9 & noted a strong signal w/ fades. "Now, could this be how Utica NY comes in on this thing?" I said to myself. Then I went to 95.9 & another strong signal there! A Coca-Cola ad after a moment with the words "...the number one taste in CANADA..." To my dismay, I suspected an Es opening was going on. I checked TV and noted Es to Maritimes. I was slightly dismayed because my amplifier wasn't quite as super as I thought for a few moments. But don't get me wrong; I'm more than satisfied with the performance of the amp. on an indoor antenna. I've a moderate amount of overload due to my strong locals but most of this can be controlled by the tuner on the rabbit-ears. I wouldn't recommend the amp. to all DXers in cities like myself, when using rabbit-ears because you must account for overload. (ed: I changed the wording cause I was unsure what you meant. If I'm wrong lemme know & I'll re-print)

This amp greatly improves reception without too much overload. Literature enclosed with amp says it provides 18 dB of gain across entire FM band. W/ the rabbit-ears by the North says it provides 18 dB of gain across entire FM band. W/ the rabbit-ears by the North window in my house, I get perfect reception from: WMRV-105.7 NY Endicott & WAAL-99.1 NY Binghamton (65 miles away) & WKSB-102.7 PA Williamsport (70 mi.) when these were scratchy, before. I've already seen what this unit does during Es & in a minor Tr opening to upstate NY before the onset of a snowstorm Jan 8 (perfect reception from WQNY-103.7 NY Ithaca from a SOUTHERN room in the house here), with temps outside only in the teens. This should be fun to use here when warmer weather arrives. I now believe, from this, that Tropo isn't the exclusive result of temps above freezing. (Of course not, or we'd clean up 8 mos/yr, heh! As your editor clowns around here, temps 50-60°F in Ontario, & tropo not exceptional, although a bit better than totally dead. It has been kinda dead lately for Tr-since Oct/83;-ed) More Northern next page...

NORTHERN FM DX (2)

April/84

Bruce F. Elving - 4515 Avenue "E" - Kearney NE 68847

NOVEMBER 2/83 Tr : KDAW 92.1 OK Woodward w/ \$ k "\$-92" slogan (not strict).

DECEMBER 16 Es: 1700 CST w/full IDs on WMMT 89.1 NY Schenectady w/\$ & talking-book SCA; WFCR 88.5 MA Amherst w/no SCA and full IDs also. Have a DX-filled 1984! Bruce.

ULTIMATUM: SEND MORE REPORTS OR GET READY TO READ OF YOUR EDITOR'S DX: BURNT RIVER ONT:

AUGUST 16/83 Es

0036 KCSC 90.1 OK Edmond "Mx Mountain" synd. classical prgm.
0118 KMWU 89.1 KS Wichita wx (100°F tomoro)
1705 KHOK 100.7 KS Holsington (separate opening; this in car going home from work)

16 Tr

0040 WMHE 92.5 OH Toledo 325
0045 WOSE 94.5 OH Pt. Clinton
0701 WIOT 104.7 OH Toledo "WIOT \$, T's best" 18 Tr LOVELY OPENING
1800 WTVG 97.7 MI Sandusky dual AM-FM ID
1900 WQRS 105.1 MI Detroit (all other Detroit)
1902 WSAQ 107.1 MI Pt Huron "Q-107" Mutual nx
1910 WIBM 94.1 MI Jackson
1912 WLEW 92.1 MI Bad Axe
1913 WUCM 91.7 MI Ann Arbor
1930 WJIM 97.5 MI Lansing NBC nx
2150 WDBN OH Medina "FM-95, WDBN" (94.9 OOPS)
2152 WDUQ 92.5 OH Alliance
2157 WJMI 105.7 OH Cleveland "Magic 105.7"

other Clevelands in as well 280

2200 WMBI 90.1 IL Chicago g QTH ID 500

2201 WIAA 88.3 MI Interlochen

2206 WACO 101.3 OH Ashland wx nx

2230 WEMU 89.1 MI Ypsilanti

19 Tr

0100 WAUP 88.1 OH Akron s-off

0102 WKAR 90.5 MI E. Lansing s-off

0102 WDCE 90.9 IL Glen Ellyn ment "OHARE" wx

0130 WFSE 89.1 PA Edinboro

AS SOON AS I FIND THE LAST PAGE OF MY LOG, I'LL FINISH OFF FROM 25 AUG; IT DIDN'T END THERE. OVERALL SUMMER GOOD FOR TR & NOT TOO EXHILARATING FOR E-SKIP.

Your editor gets dee-ex from Ottawa for first time ever (FM that is) so... OTTAWA ON

AUGUST 10/84 Tr

Rollin' on thru to visit cause I couldn't face the reality of goin' back to work

after Dunkirk...probably typical summer cx

0754 WFOR 100.5 NY Rochester 182

0814 CKFM 94.3 PQ Montreal FF

0815 CHOM 97.7 PQ Montreal r "showm" EE

0816 WSNH 99.3 NY Potsdam "Potsdam-Canton"

0817 CFGL 105.7 PQ Montreal FF

SEPTEMBER 9 Tr

0155 CKOI 96.9 PQ Verdun "C'est Quoi" ID FF r

0200 CFQR 92.5 PQ Montreal EE \$ment in ID

0203 CUFM 95.9 PQ Mtl EE wx mr "FM96CUFM"

11 Tr

0012 CIEL 98.5 PQ Longueuil FF "see-elle-MF"

17 Tr

1848 WTSC 91.1 NY Potsdam pr

2355 WRRB 107.9 NY Syracuse "FM-108-Country, WRRB" ment. Merle Haggard (k Mxician)

18 Tr

0012 WPXY 97.9 NY Rochester "PXY" r 182

0022 CBF-9 96.3 PQ Mont Laurier CBC FF mono

0132 WIBQ 98.7 NY Utica "FM99-WIBQ" wx bmmx

1130 WJTV 101.9 NY Cherry Valley g

AUG 19 cont Tr

0210 WAEZ 97.5 OH Akron b
0215 WKWK 97.3 WV Wheeling "97WK" r wx
1800 WCVJ 90.9 OH Jefferson g
2305 WIAA 88.3 MI Interlochen lcl nx
21 Tr

1030 WBLV 90.3 MI Twin Lakes c

1113 WMUS 106.9 MI Muskegon "MUS" r & oldies

1115 WQWQ 104.5 MI Muskegon b "Your FM dial setting is 104.5 WQWQ"

1133 WJBL 94.5 MI Holland g UPI nx, lcl nx

1135 WQEN 94.5 MI MtPleasant k "94 Country"

1208 WWRM 106.7 MI Gaylord "Warm-107"

1755 WMHE 92.5 OH Toledo wx 325

1800 WOTE 91.3 OH Toledo "FM-91" wx

1855 WNEZ 100.9 OH Clyde no ID but SS hrd & they're supposedly a SS stn.

1856 WQRS 105.1 MI Detroit All D's in 280

1859 WIOT 104.7 OH Toledo "FM-104" & phone number for stn given as 240-1047" r

1900 CBON-?104.9 OnGogama FF CBC // 96.5

2300 WQED 89.3 PA Pittsburgh c

2301 WDUQ 90.5 PA Pittsburgh j

2358 WGSB 89.3 OH Cleveland wx AP NEWS

22 Tr

0009 WWST 104.5 OH Wooster lcl nx UPI nx

2130 WRIF 101.1 MI Detroit

2304 WMBI 90.1 IL Chicago (well after rain began & cx dead!) g wx nx...on rabbit ears!

24 Tr

2005 WMHE 92.5 OH Toledo

2011 WMBI 90.1 IL Chicago again 500

2300 WMMQ 100.5 OH Findlay

25 Tr

0408 WMEZ 97.3 IN Ft Wayne r

0430 103.9 WLEN MI Adrian k "waxwatch forecast"

18 cont. Tr

1315 WJWQ 92.5 NY Rochester rp "Q-92", "all hits all the time" 182

22 Tr

0032 CFMK 96.3 ON Kingston k "K-96"

29 Tr My first actual duct here begins today!

0745 WOKW 99.9 NY Cortland wx

2348 WHRM 98.9 NY Rochester rp prgm.g

2359 WDCX 99.5 NY Buffalo "In Defense of Truth"

30 Tr

0007 WBRQ 96.9 NY Buffalo "New mx Hour" prgm.

"97 Rock" pr

0008 CJBC-17 95.5 ON Belleville CBC-R-FF mono

0759 CFMP 101.5 ON Peterborough

OCTOBER 1 Tr

0000 WEZO 101.3 NY Rochester b "FM-101"

"Community Calendar, a Publ. Serv. Anct of..."

0001 CKFM 99.9 ON Toronto mr (my home town!)

0002 CKO-2 99.1 ON T.O. not 106.9 Ott. image as some separate prgm. all nx, stn.

0005 CBF-8 100.1 PQ Trois Rivières FF CBC mono

0009 CBNB 91.7 PQ Sherbrooke CBC EE mono

0018 CITE-1102.7 PQ Sherbrooke bmr Mx, FF

the rest next mo or if more rpts 2 fill a page

73's & the best of DX, SAUL.

TRANSLATOR BOOM VICTIMIZES YOUR EDITOR

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 (505)396-3251 - 12-5 to 2-6 MST

12/5-83 ==

1350 unID 98.1 east or n. east "...across the street from the Coreville(?) post office..."

1355 unID 98.1 east or n. east "...moving westward from La Grange, CA..."

1432 unID 98.1 east or n. east "...winning FM ..", r.

1506 WWJO 98.1 MN St. Cloud, "...in central MN..." 973

12/6 ==

1005 WWJO 98.1 MN St. Cloud, nx 973

1009 unID 98.1 east or n. e. "...KGD..." portion of calls?

1028 WTFM 98.5 TN Kingsport, "...WT..." 1197

1040 KCFO 98.5 OK Tulsa, calls 473

12/7 ==

1103 WXXQ/WACF? 98.5 IL "...from the IL farm Bureau in..."

12/16 tr KTEZ off

1628 KFAH 101.1 TX Fredericksburg, ID 318

12/20 tr

1209 KSNY 101.7 TX Snyder, ads, r, \$ 140

"K-102"

12/23 tr

2300 KIOF 104.7 TX Lamesa, very weak, exciter only? or like 100 watts.

2341 KLCU? 101.9 s. east, k, "continuous nx KLCU", KLEU?

12/24 tr ID @1758

1634 KGNZ 88.1 TX Abilene, g, xmas ax 216

1/2-84 tr

1032 KWMW 98.3 TX Stephenville, tent, EZ

1/5 ==

1010 KQED 88.5 CA San Francisco, c 1116

1012 KCSM 91.1 CA San Mateo, tent, c

1024 KUSF 90.3 CA San Francisco, calls "

1/13 tr

0945 KFLX 99.5 TX Fort Worth, hrd. on fm 368 vert. only. KRLB only on fm hors., seldom

0952 KWES 102.1 TX Monahans, r, \$, new on air, "K-WES", "102-FM"

1/16 tr (big bands)240

2216 KLSK 104.1 NM Santa Fe, \$, m, phone no.

2224 XHTO 104.1 CHIH Juarez, ID off freq from 104.3

1/31 ==

1910 KLIH 100.3 CO Denver, ".in Denver.." 465

2/1 tr

1631 KANX 91.1 KS Garden City, nx 360

A productive report period but not much DX'ise. Conditions have been down. I'll be in California for awhile til June or July, so I'll miss out this year. I'll keep an ear open in so. CA for any FM happenings and report on it. Just got the 1984 WRTVH. They put postage stamps on the envelope dating from 1947 (six 3 cent "stamp centenary" commemoratives) and 1952 (6 3 cent "reclamation" comm.) worth much more than 3 cents (block of 6 in mint condition probably \$2 to \$3) very strange, probably torn from a mint sheet, too!! 73's.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

While inspecting the band for the latest developments in this year's plague of new stations, I found myself victimized by KCFO's (Tulsa) ever growing network of translators when I unexpectedly discovered their new local one for Stillwater on 102.3 had hit the air, ruining one of my best DX channels. To my surprise, I noticed the translator's stereo was not fully quieted while over on the main station the stereo seems fully quieted. The translator's SCA is somewhat noisier than that on the main station. Is this typical quality to expect from a translator? In using just a T-wire for an antenna, I found the translator had little advantage over the main station. To me, the translator was redundant. I wrote to KCFO in protest over this, saying their Stillwater translator made about as much sense as carrying coals of inferior quality to Newcastle and suggested the translator be dismantled and moved to a more distant, more needy city such as Enid, OK. In another case the situation is even more ridiculous with KLIH Edmond's OKC and Moore translators being barely located outside that station's primary reception circle. Perhaps it's their scheme to build from dismal ratings rather than to better serve established listeners. On the other hand, looking at the situation from an average listener's point of view, rather than a DXer's (painful as it may be), I can see how translators are going to be filling serious needs. Because most people have a "passive indifference" regarding the need for a good FM antenna, according to a consumer publication article on outdoor/indoor FM antennas published 10 yrs. ago; I feel such an attitude is still true to a great extent today. If a T-wire is used, it's probably not up and spread out to avoid it becoming an eyesore. In that way the translator signal will be superior to the main station every time. But speaking from a DXer's point of view I would sure like to see this translator madness brought under control. It has the potential to go to far, possibly putting our hobby at stake unless one lives in the most remote boondocks.

REPORT your FM DX to SFM if you're from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, KS, KY, LA, MD, NC, NM, NY, OK, SC, TN, TX, UT, VA & WV.

Seems like the only way we are going to see any tropo or skip is in this column. So far, I've seen UHF tropo out to 400 plus miles only once this year; and that was nothing to warm-up the VCR over. Now on to the photos. This month our skip and tropo openings are from, Paul Gaines, Nate Ely and Jim Pizzi.



WKEF-22 Dayton, Ohio at 190 miles via tropo (CP)



WBLN-43 Bloomington-Normal, IN 190 mile Tr from August 1983 (NE)



WEAR-3 Pensacola, FL 870 mi. Es from the summer of 82 (CP)



KCBR-17 Des Moines, IA 245 mi. Tr from August 1983 (NE)



←KSNL-27 Topeka, KS 585 mi. Tr June 20, 1983 (JP)

Many thanks to:
Paul Gaines (CP) - Detroit, MI
Nate Ely (NE) - Madison, WI
Jim Pizzi (JP) - Lovington, NM
for their participation.....

Dave

ANARC UPDATE

Steven P. Sprachman
39-16 48 Street
Sunnyside, N.Y. 11104
U.S.A.

DX GET-TO-GETHERS AND REGIONAL DX CLUBS

After many years as a DX'er and a member of WTFDA, I had not met another DX'er. I knew they existed because I had met people who had DX'ed but dropped the hobby for one reason or another. I was getting to believe that our hobby was for single individuals and that DX'ers were few and far between. When a DX get-together was finally held in a location that I could get to, I was excited about going. I was very surprised and delighted with the people I met.

My first DX get-together was the 1982 WTFDA Convention in Staten Island. I was nervous about meeting some of the big wigs of DX'ing. I was afraid that I would not be accepted. My DX'ing was nothing to brag about. I had no super antenna setup. I had no stories of 2000 mile Es catches or super Tropo openings.

When I walked into the convention, there were a bunch of guys (Do female DX'ers exist?), some older, and a few others my age or younger. As I started to introduce myself, I began talking with my co-hobbyists. Here were real live active DX'ers! I realized many things about these people. They were people like me. They too, spent many hours chasing ID slides of stations on Es. While some were very technically inclined, many others knew as much about the inner workings of a television set as I did. My antenna system, which I thought was very poor, turned out to be quite suitable for the hobby. I was delighted with the activities of the convention. I saw pictures of stations that I also had received. I learned many things about our hobby and the people who DX'ed. I came away from the convention with a new sense of confidence in myself and the hobby of DX.

Unfortunately, conventions and my chances of meeting other DX'ers are too infrequent. Conventions are usually held once a year in locations that are not always convenient for me to attend. And, you do not meet all the DX'ers in the area. There are many DX'ers in New York, yet only a few who are interested in TV and FM DX would attend a WTFDA convention. There could be a shortwave DX'er or a BCB DX'er a block away. I began wondering what was the best way to bring all the DX'ers of an area together?

In several areas, DX'ers have done this by having regular DX Get-to-Gethers and forming local DX associations. Many publish their own bulletins. Most accept all DX'ers, from longwave to the utilities. This allows a DX'er to meet his neighbor and to learn about other aspects of DX'ing.

If you live in an area with a local DX association, you should consider joining. You will get a lot of enjoyment out of it. A list of these clubs as well as all the other ANARC member clubs can be provided by writing to ANARC - 1500 Bunbury Drive - Whittier, CA 90601 - U.S.A.. You must include a SASE with your request.

If there is not one in your area, then you may want to start one. Start with a get-together of your own. The experience of taking part in the formation of a DX association is invaluable. Here in the New York City area, a local DX'er, Greg Baker, has started to get the ball rolling by offering to hold a monthly DX get-together. For more information, give him a call in the evening at 212-853-1427. If you have any experience in forming a DX association or would like to form one in your area, I'd like to hear from you.

Hopefully by now you have made your plans to attend this years ANARC Convention in Toronto, ON Canada. If not, and you would like to attend, send a self addressed envelope with an unattached 20 cent stamp to, ANARCON '84 Ontario DX Association - Post Office Box 232 - Station Z - Toronto, ON M5N 2Z4 Canada. The dates for this year's convention are July 20, 21, and 22. The next ANARC Update will have more on the convention.

For those who like to plan early, the 1985 ANARC convention will be held from July 19 to 21 in Milwaukee, WI.

I received a letter from Alan Hyams, he enjoyed my account of European radio. Right now my wife and I are planning a trip to Colombia and Ecuador. Sometime before the end of 1984, I plan to have an interesting account of FM radio in these countries.

On the UNESCO situation; the U.S. Government is still studying the situation and may not end up pulling out. Several of the other Western Nations have shown their dissatisfaction with the situation. For those who listen to shortwave, Radio Netherland's MEDIA NETWORK updates the satellite TV situation in Europe from time to time, and they have explained some of the methods that countries can use to block out the signals from reaching their citizens. The methods run from the harmless, like not making the receiving equipment available, to the destructiveness of jamming the unwanted signals.

Well, this is enough typing for one night. Until next time, may 1984 bring the best of Tropo yet.

Steven P. Sprachman

WTFDA CLUB SUPPLIES



PLACE YOUR ORDER NOW!!	PLACE YOUR ORDER NOW!!	PLACE YOUR ORDER NOW!!
VHF-UHF DIGEST BACK ISSUES --	AVAILABLE JANUARY 1983 TO THE PRESENT A FEW AVAILABLE BEFORE JANUARY, AT	\$1.25 \$1.00
WTFDA TV STATION GUIDE ----- (SECOND EDITION, 1981)	COMPLETE LISTING OF NORTH AMERICAN TV STATIONS, W/T MAPS FOR EACH CHANNEL; SPECIAL WTFDA MEMBER RATE: ONLY A FEW ARE LEFT...ORDER NOW!!!	\$8.00 \$6.00
FM ATLAS AND STATION DIRECTORY (LATEST EDITION) -	THE ONE EVERYONE HAS TO HAVE FOR SUCCESSFUL FM DXING. THIS IS THE SINGLE MOST COMPLETE SOURCE OF INFO ON THE FM BROADCAST BAND.	\$7.45
DX LOG SHEETS -----	SORRY, WE ARE ALL SOLD OUT	
ALL NEW REVISED QSL REPORT FORMS -----	FOR REQUESTING QSLs (VERIFICATIONS) FROM FM or TV STATIONS, BLK on YEL	50 for \$2.00
VHF-UHF DIGEST BOXERS -----	ATTRACTIVE CASES DESIGNED TO KEEP YOUR COPIES OF THE VUD ORGANIZED.	\$2.00 3-\$5.00
WTFDA CLUB T-SHIRT -----	AVAILABLE IN SIZES SMALL--X-LARGE ORDER FROM DAVE NIEMAN-12284 NICE RD.-AKRON, NY 14001.	\$7.00
UHF TRANSLATOR DX GUIDE ----- (1979 EDITION)	LISTING OF UHF TRANSLATOR STATION IN THE CONTINENTAL U.S. WITH 10 OR MORE WATTS OF TRANSMITTER INPUT POWER, AND A BASIC INTRO TO TRANSLATOR DXING BY EXPERTS GLENN HAUSER AND BOB COOPER, JR. THE LIST IS NOW SOME- WHAT DATED, BUT THE DX TIPS AND INFO ARE EXCELLENT. ONLY A FEW LEFT!!!	\$2.00
ORDER YOUR CLUB SUPPLIES FROM WTFDA-P.O. BOX 514-BUFFALO, NY 14205 U.S.A.		